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| /DEEREAG/YL\_YARD\_AUDIT\_REPORT |
| REPORT  /deereag/yl\_yard\_audit\_report. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*                                                                      \* \*                           Modification Log                           \* \*                                                                      \* \* Program Name  :                                                      \* \*                                                                      \* \* Author        :   Jochen Scheffold/Igor Muntoreanu                   \* \* Date Written  :   15/05/2024                                         \* \* Request #     :                                                      \* \* Requested by  :                                                      \* \* Description   :   Yard Audit report to check quantities in SAP Yard  \* \*                   logistics with inventory management. Base          \* \*                   functionality was copied from                      \* \*                   /DEEREAG/MYM\_YARD\_AUDIT\_REPORT                     \* \*                                                                      \* \* Program Specifications:                                              \* \*                                                                      \* \* Mod date    Programmer    Reference   Description                    \* \*----------------------------------------------------------------------\* \* 15/05/2024  KSTYXXE        v1.0                                      \* \*----------------------------------------------------------------------\*  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Table Declarations                                                   \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Structures                                                           \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Types Declarations  \* Structure for Material description TYPES:   BEGIN OF t\_mat\_des,     matnr TYPE makt-matnr,             " Material     maktx TYPE makt-maktx,             " Material description   END OF t\_mat\_des.  \* Structure for Material unrestricted quantity TYPES:   BEGIN OF t\_mat\_uqty,     matnr TYPE mard-matnr,             " Material     labst TYPE mard-labst,             " Unrestricted quantity   END OF t\_mat\_uqty.  \* Structure to hold output data TYPES:   BEGIN OF t\_output,     matnr     TYPE mara-matnr,            " Material     maktx     TYPE makt-maktx,            " Material description     werks     TYPE lips-werks,     tunumext  TYPE /deereag/auditreport\_prod\_data-tunumext, " Trailer     qdiff     TYPE lips-lfimg,            " Quantity difference     sqty      TYPE lips-lfimg,            " SAP Quantity     symqty    TYPE lips-lfimg,            " SAP YL Quantity     name1     TYPE lfa1-name1,            " Carrier     ylccl     TYPE vekp-ylccl,            " Location class     yloct     TYPE vekp-yloct,            " Location     lfimg     TYPE lips-lfimg,            " Quantity     yloc      TYPE val\_text,              " Location text     matmov(1) TYPE c,                     " Mat movt flag   END OF t\_output.  \* Structure to hold output excel data TYPES:   BEGIN OF t\_excel\_data,     matnr(20)  TYPE c,               " Material     maktx(40)  TYPE c,               " Material description     werks      TYPE lips-werks,     qdiff(24)  TYPE c,               " Quantity difference     sqty(20)   TYPE c,               " SAP Quantity     symqty(20) TYPE c,               " SAP YL Quantity   END OF t\_excel\_data.  TYPES:   BEGIN OF t\_list\_mb51,     anln1            TYPE mseg-anln1,     anln2            TYPE mseg-anln2,     aplzl            TYPE mseg-aplzl,     aufnr            TYPE mseg-aufnr,     aufpl            TYPE mseg-aufpl,     bktxt            TYPE mkpf-bktxt,     bldat            TYPE mkpf-bldat,     bpmng            TYPE mseg-bpmng,     bprme            TYPE mseg-bprme,     bstme            TYPE mseg-bstme,     bstmg            TYPE mseg-bstmg,     budat            TYPE mkpf-budat,     budat\_mkpf       TYPE mseg-budat\_mkpf,     bukrs            TYPE mseg-bukrs,     bwart            TYPE mseg-bwart,     bwtar            TYPE mseg-bwtar,     charg            TYPE mseg-charg,     cpudt            TYPE mkpf-cpudt,     cpudt\_mkpf       TYPE mseg-cpudt\_mkpf,     cputm            TYPE mkpf-cputm,     cputm\_mkpf       TYPE mseg-cputm\_mkpf,     dmbtr            TYPE mseg-dmbtr,     ebeln            TYPE mseg-ebeln,     ebelp            TYPE mseg-ebelp,     erfme            TYPE mseg-erfme,     erfmg            TYPE mseg-erfmg,     exbwr            TYPE mseg-exbwr,     exvkw            TYPE mseg-exvkw,     frbnr            TYPE mkpf-frbnr,     grund            TYPE mseg-grund,     kdauf            TYPE mseg-kdauf,     kdein            TYPE mseg-kdein,     kdpos            TYPE mseg-kdpos,     kostl            TYPE mseg-kostl,     kunnr            TYPE mseg-kunnr,     kzbew            TYPE mseg-kzbew,     kzvbr            TYPE mseg-kzvbr,     kzzug            TYPE mseg-kzzug,     lgort            TYPE mseg-lgort,     lifnr            TYPE mseg-lifnr,     matnr            TYPE mseg-matnr,     mat\_kdauf        TYPE mseg-mat\_kdauf,     mat\_kdpos        TYPE mseg-mat\_kdpos,     mblnr            TYPE mkpf-mblnr,     meins            TYPE mseg-meins,     menge            TYPE mseg-menge,     mjahr            TYPE mkpf-mjahr,     nplnr            TYPE mseg-nplnr,     ps\_psp\_pnr       TYPE mseg-ps\_psp\_pnr,     rsnum            TYPE mseg-rsnum,     rspos            TYPE mseg-rspos,     sakto            TYPE mseg-sakto,     sgtxt            TYPE mseg-sgtxt,     shkzg            TYPE mseg-shkzg,     sobkz            TYPE mseg-sobkz,     usnam            TYPE mkpf-usnam,     usnam\_mkpf       TYPE mseg-usnam\_mkpf,     vgart            TYPE mkpf-vgart,     vgart\_mkpf       TYPE mseg-vgart\_mkpf,     vkwrt            TYPE mseg-vkwrt,     waers            TYPE mseg-waers,     werks            TYPE mseg-werks,     xabln            TYPE mkpf-xabln,     xauto            TYPE mseg-xauto,     xblnr            TYPE mkpf-xblnr,     xblnr\_mkpf       TYPE mseg-xblnr\_mkpf,     zeile            TYPE mseg-zeile,     maa\_urzei        TYPE  mseg-maa\_urzei,     xmacc            TYPE  mseg-xmacc,     maktx            TYPE makt-maktx,     ekkn\_zekkn       TYPE dzekkn,                  "MAA EhP4     ekpo\_meins       TYPE ekpo-meins,              "MAA EhP4     pstyp            TYPE ekpo-pstyp,              "MAA2     knttp            TYPE knttp,                   "MAA EhP4     vrtkz            TYPE ekpo-vrtkz,              "MAA EhP4     twrkz            TYPE ekpo-twrkz,              "MAA EhP4     ekpo\_weunb       TYPE ekpo-weunb,              "MAA EhP4     mb51\_share       TYPE ekbe\_ma-share\_f,         "MAA EhP4     mb51\_share\_menge TYPE mb51\_share\_menge,        "MAA EhP4     mb51\_share\_bpmng TYPE mb51\_share\_bpmng,        "MAA EhP4     mb51\_share\_dmbtr TYPE mb51\_share\_dmbtr,        "MAA EhP4     name1            TYPE t001w-name1,     btext            TYPE t156t-btext,     pspid            TYPE prps-posid,     vornr            TYPE vornr,                            "215929     color\_line(03)   TYPE c,                          "n555     color            TYPE slis\_t\_specialcol\_alv,     longnum          TYPE /sappspro/longnum,     matnr\_ext        TYPE matnr\_ext,                             "DI note 1231344   END OF t\_list\_mb51 .  TYPES: BEGIN OF ty\_yards,          yardno     TYPE /deereag/shut\_yard,          yardnotext TYPE c LENGTH 60,        END OF ty\_yards.  TYPES: BEGIN OF ty\_yl\_mat\_sum,          matnr    TYPE /deereag/auditreport\_prod\_data-matnr,          matnrqty TYPE /deereag/auditreport\_prod\_data-matqty,        END OF ty\_yl\_mat\_sum.  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Internal table declaration                                           \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* DATA: \* Internal table to hold Material descriptions   i\_mat\_des       TYPE STANDARD TABLE OF t\_mat\_des, \* Internal table to hold Material unrestricted qty   i\_mat\_uqty      TYPE STANDARD TABLE OF t\_mat\_uqty, \* Internal table to hold Field catalog   i\_fieldcat      TYPE STANDARD TABLE OF lvc\_s\_fcat, \* Internal table to hold output Data   i\_output        TYPE STANDARD TABLE OF t\_output, \* Internal table to hold output excel data   i\_excel\_data    TYPE STANDARD TABLE OF t\_excel\_data,   i\_yards         TYPE TABLE OF ty\_yards,   i\_yl\_prods      TYPE TABLE OF /deereag/auditreport\_prod\_data,   i\_yl\_prods\_data TYPE TABLE OF /deereag/auditreport\_prod\_data,   i\_yl\_prods\_sum  TYPE TABLE OF ty\_yl\_mat\_sum,   i\_list\_mb51     TYPE TABLE OF t\_list\_mb51,   i\_fieldcat\_mb51 TYPE TABLE OF slis\_fieldcat\_alv,   i\_layout\_mb51   TYPE slis\_layout\_alv,   i\_variant\_mb51  TYPE disvariant,   i\_events        TYPE cntl\_simple\_events.  DATA: \* YL Prods Data Item data   i\_yl\_prods\_lines  TYPE /deereag/auditreport\_prod\_data, \* Workarea to hold Material descriptions   i\_mat\_des\_line    TYPE t\_mat\_des, \* Work area for Field catalog   i\_fieldcat\_line   TYPE lvc\_s\_fcat, \* Workarea to hold output Data   i\_output\_line     TYPE t\_output, \* Workarea to hold output excel data   i\_excel\_data\_line TYPE t\_excel\_data.  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Work variables                                                       \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* DATA:   g\_yard         TYPE /deereag/auditreport\_prod\_data-yardno,   g\_trec         TYPE sy-index,   gv\_destination TYPE /deere/venhval-key1,   fl\_error       TYPE c.  DATA:   g\_custom\_container TYPE REF TO cl\_gui\_custom\_container,   g\_tree             TYPE REF TO cl\_gui\_alv\_tree,   g\_splitter         TYPE REF TO cl\_gui\_easy\_splitter\_container,   g\_container1       TYPE REF TO cl\_gui\_container,   g\_container2       TYPE REF TO cl\_gui\_container,   g\_alv              TYPE REF TO cl\_gui\_alv\_grid,   g\_ok\_code          TYPE sy-ucomm.  CLASS go\_handle\_events DEFINITION DEFERRED. DATA: gr\_events TYPE REF TO go\_handle\_events.  \*---------------------------------------------------------------------\* \*       CLASS go\_handle\_events DEFINITION \*---------------------------------------------------------------------\* \* §4.1 define a local class for handling events of cl\_salv\_table \*---------------------------------------------------------------------\* CLASS go\_handle\_events DEFINITION FINAL.   PUBLIC SECTION.     METHODS:       handle\_link\_click FOR EVENT link\_click OF cl\_gui\_alv\_tree         IMPORTING fieldname node\_key. ENDCLASS.                    "lcl\_handle\_events DEFINITION  \*---------------------------------------------------------------------\* \*       CLASS go\_handle\_events IMPLEMENTATION \*---------------------------------------------------------------------\* \* §4.2 implement the events for handling the events of cl\_salv\_table \*---------------------------------------------------------------------\* CLASS go\_handle\_events IMPLEMENTATION.    METHOD handle\_link\_click. \*     PERFORM tree\_exit IN PROGRAM saplslvc\_fullscreen.     PERFORM fetch\_mb51\_material USING fieldname node\_key. \*    PERFORM change\_header.   ENDMETHOD.                    "on\_single\_click  ENDCLASS.                    "lcl\_handle\_events IMPLEMENTATION \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* SELECTION-SCREEN elements  (Select-options and Parameters)           \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* SELECTION-SCREEN: BEGIN OF BLOCK blk1 WITH FRAME TITLE TEXT-001.   PARAMETERS:     p\_yard  TYPE c LENGTH 4 OBLIGATORY,     p\_werks TYPE mard-werks OBLIGATORY, "MATCHCODE OBJECT h\_t001l,     p\_lgort TYPE mard-lgort OBLIGATORY DEFAULT 'YRD1'. " Yard SELECTION-SCREEN END OF BLOCK blk1.  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Event INITIALIZATION                                                 \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* INITIALIZATION. \* Check Transaction code Authorization   PERFORM f2100\_authority\_check\_tcode.   PERFORM f\_get\_yl\_destination.  AT SELECTION-SCREEN ON VALUE-REQUEST FOR p\_lgort.   PERFORM f\_werks\_lgort\_f4 USING 'LGORT' CHANGING p\_lgort.  AT SELECTION-SCREEN ON VALUE-REQUEST FOR p\_werks .   PERFORM f\_werks\_lgort\_f4 USING 'WERKS' CHANGING p\_werks.  AT SELECTION-SCREEN ON VALUE-REQUEST FOR p\_yard.   PERFORM f\_yard\_f4.  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Event START-OF-SELECTION                                             \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* START-OF-SELECTION. \* Get Data   PERFORM f7100\_get\_data. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Event END-OF-SELECTION                                             \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* END-OF-SELECTION.   IF i\_yl\_prods[] IS NOT INITIAL. \*   Fill ALV field catalog     PERFORM f0100\_prepare\_alv\_fieldcat.      i\_yl\_prods\_data[] = i\_yl\_prods[].     SORT i\_yl\_prods\_data BY matnr.     DELETE ADJACENT DUPLICATES FROM i\_yl\_prods\_data COMPARING matnr.     g\_yard = p\_yard.     CALL SCREEN 100.   ELSE. \*   No table entries found for specified key     MESSAGE s429(mo).   ENDIF.  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* Forms                                                                \* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \*&---------------------------------------------------------------------\* \*&      Form  f2100\_AUTHORITY\_CHECK\_TCODE \*&---------------------------------------------------------------------\* \*       Check Transaction code Authorization                           \* \*----------------------------------------------------------------------\* \*  There are no interface parameters passed to this subroutine \*----------------------------------------------------------------------\* FORM f2100\_authority\_check\_tcode.   DATA:     l\_tcode TYPE sy-tcode.  \* Check Transaction Code Authorization   SELECT tcode FROM tstc INTO l\_tcode UP TO 1 ROWS      WHERE pgmna = sy-repid.                            "#EC CI\_GENBUFF   ENDSELECT.   IF sy-subrc NE 0.     MESSAGE e062(/deereag/lym\_yard) WITH sy-repid.   ENDIF.  \* Do Authority Check   AUTHORITY-CHECK OBJECT 'S\_TCODE'     ID 'TCD'     FIELD l\_tcode.   IF sy-subrc NE 0. \*   No authorization for transaction     MESSAGE s383(ra) WITH l\_tcode.     LEAVE PROGRAM.   ENDIF.  ENDFORM.                               " F2100\_AUTHORITY\_CHECK\_TCODE \*&---------------------------------------------------------------------\* \*&      Form  f7100\_get\_data \*&---------------------------------------------------------------------\* \*  Subroutine to get Trailer information                               \* \*----------------------------------------------------------------------\* \*  There are no interface parameters passed to this subroutine \*----------------------------------------------------------------------\* FORM f7100\_get\_data.    DATA: lv\_lgort     TYPE mard-lgort,         ls\_matnr\_sum TYPE ty\_yl\_mat\_sum.  \* Get Yard Storage Location   SELECT SINGLE key1 ##WARN\_OK     FROM /deere/venhval     INTO lv\_lgort     WHERE pgmid  = sy-repid       AND enh\_id = 'LGOR'.   IF sy-subrc <> 0.     MESSAGE TEXT-024 TYPE 'S' DISPLAY LIKE 'E'. "Yard Storage Location not set at /DEERE/VENHVAL     LEAVE LIST-PROCESSING.   ENDIF. \* Get Yard Logistics Products TU   CALL FUNCTION 'Z\_YL\_GET\_DATA\_FOR\_AUDIT\_REPORT' DESTINATION gv\_destination     EXPORTING       iv\_general\_yard\_no    = p\_yard     TABLES       et\_products           = i\_yl\_prods     EXCEPTIONS       system\_failure        = 1       communication\_failure = 2       OTHERS                = 3.   IF sy-subrc <> 0.     MESSAGE TEXT-023 TYPE 'S' DISPLAY LIKE 'E'. "technical exception     LEAVE LIST-PROCESSING.   ELSE.     SORT i\_yl\_prods BY matnr yardno tunumext.   ENDIF.    CHECK i\_yl\_prods IS NOT INITIAL.    DATA(lt\_yl\_prods\_aux) = i\_yl\_prods.   SORT lt\_yl\_prods\_aux BY matnr.   LOOP AT lt\_yl\_prods\_aux ASSIGNING FIELD-SYMBOL(<fs\_aux>).     ls\_matnr\_sum-matnr = <fs\_aux>-matnr.     ls\_matnr\_sum-matnrqty = <fs\_aux>-matqty.     COLLECT ls\_matnr\_sum INTO i\_yl\_prods\_sum.     CLEAR ls\_matnr\_sum.   ENDLOOP.   SORT i\_yl\_prods\_sum BY matnr. \* Get Unrestricted quantity   SELECT matnr " Material          labst " Unrestricted qty     FROM mard     INTO TABLE i\_mat\_uqty     FOR ALL ENTRIES IN i\_yl\_prods     WHERE matnr EQ i\_yl\_prods-matnr       AND werks EQ p\_werks       AND lgort EQ p\_lgort.   IF sy-subrc EQ 0.     SORT i\_mat\_uqty BY matnr.   ENDIF.  \* Get material description   SELECT matnr " Material          maktx " Material description     FROM makt     INTO TABLE i\_mat\_des     FOR ALL ENTRIES IN i\_yl\_prods     WHERE matnr EQ i\_yl\_prods-matnr       AND spras EQ sy-langu.   IF sy-subrc EQ 0.     SORT i\_mat\_des BY matnr.   ENDIF.  ENDFORM.                               " f7100\_get\_data \*&---------------------------------------------------------------------\* \*&      Form  f0100\_prepare\_alv\_fieldcat \*&---------------------------------------------------------------------\* \*This subroutine is used to fill fieldcatalog for screen 100 ALV Display \*----------------------------------------------------------------------\* \*  There are no interface parameters that need to be passed to this    \* \*  subroutine \*----------------------------------------------------------------------\* FORM f0100\_prepare\_alv\_fieldcat.    REFRESH i\_fieldcat.    CLEAR   i\_fieldcat\_line.   i\_fieldcat\_line-fieldname = 'MAKTX'.   i\_fieldcat\_line-tabname   = 'I\_OUTPUT'.   i\_fieldcat\_line-coltext   = 'Material Description'(004).   i\_fieldcat\_line-outputlen = '30'.   APPEND  i\_fieldcat\_line TO i\_fieldcat.    CLEAR   i\_fieldcat\_line.   i\_fieldcat\_line-fieldname = 'TUNUMEXT'.   i\_fieldcat\_line-tabname   = 'I\_OUTPUT'.   i\_fieldcat\_line-coltext   = 'Trailer No.'(005).   i\_fieldcat\_line-outputlen = '20'.   APPEND  i\_fieldcat\_line TO i\_fieldcat.  \*  CLEAR   i\_fieldcat\_line. \*  i\_fieldcat\_line-fieldname = 'NAME1'. \*  i\_fieldcat\_line-tabname   = 'I\_OUTPUT'. \*  i\_fieldcat\_line-coltext   = 'Carrier'(006). \*  i\_fieldcat\_line-outputlen = '20'. \*  APPEND  i\_fieldcat\_line TO i\_fieldcat.    CLEAR   i\_fieldcat\_line.   i\_fieldcat\_line-fieldname = 'SQTY'.   i\_fieldcat\_line-tabname   = 'I\_OUTPUT'.   i\_fieldcat\_line-coltext   = 'SAP Qty.'(008).   i\_fieldcat\_line-no\_zero   = 'X'.   i\_fieldcat\_line-outputlen = '20'.   APPEND  i\_fieldcat\_line TO i\_fieldcat.    CLEAR   i\_fieldcat\_line.   i\_fieldcat\_line-fieldname = 'SYMQTY'.   i\_fieldcat\_line-tabname   = 'I\_OUTPUT'.   i\_fieldcat\_line-coltext   = 'SAP YL Qty.'(009).   i\_fieldcat\_line-no\_zero   = 'X'.   i\_fieldcat\_line-outputlen = '20'.   APPEND  i\_fieldcat\_line TO i\_fieldcat.    CLEAR   i\_fieldcat\_line.   i\_fieldcat\_line-fieldname = 'QDIFF'.   i\_fieldcat\_line-tabname   = 'I\_OUTPUT'.   i\_fieldcat\_line-coltext   = 'Qty. Difference'(007).   i\_fieldcat\_line-no\_zero   = 'X'.   i\_fieldcat\_line-outputlen = '20'.   APPEND  i\_fieldcat\_line TO i\_fieldcat.  \*  CLEAR   i\_fieldcat\_line. \*  i\_fieldcat\_line-fieldname = 'YLOC'. \*  i\_fieldcat\_line-tabname   = 'I\_OUTPUT'. \*  i\_fieldcat\_line-coltext   = 'Yard Location'(010). \*  i\_fieldcat\_line-outputlen = '20'. \*  APPEND  i\_fieldcat\_line TO i\_fieldcat.  \*  CLEAR   i\_fieldcat\_line. \*  i\_fieldcat\_line-fieldname = 'YLOCT'. \*  i\_fieldcat\_line-tabname   = 'I\_OUTPUT'. \*  i\_fieldcat\_line-coltext   = 'Location'(011). \*  i\_fieldcat\_line-outputlen = '20'. \*  APPEND  i\_fieldcat\_line TO i\_fieldcat.    CLEAR   i\_fieldcat\_line.   i\_fieldcat\_line-fieldname = 'LFIMG'.   i\_fieldcat\_line-tabname   = 'I\_OUTPUT'.   i\_fieldcat\_line-coltext   = 'Trailer Qty.'(012).   i\_fieldcat\_line-no\_zero   = 'X'.   i\_fieldcat\_line-outputlen = '20'.   APPEND  i\_fieldcat\_line TO i\_fieldcat.  \*  IF p\_matmov IS NOT INITIAL.             "v3.0 \*  CLEAR   i\_fieldcat\_line. \*  i\_fieldcat\_line-fieldname = 'MATMOV'. \*  i\_fieldcat\_line-tabname   = 'I\_OUTPUT'. \*  i\_fieldcat\_line-coltext   = 'Need Matl Move'(013). \*  i\_fieldcat\_line-outputlen = '20'. \*  APPEND  i\_fieldcat\_line TO i\_fieldcat. \*  ENDIF.                                  "v3.0 ENDFORM.                               " f0100\_prepare\_alv\_fieldcat \*&---------------------------------------------------------------------\* \*&      Module  STATUS\_0100  OUTPUT \*&---------------------------------------------------------------------\* MODULE status\_0100 OUTPUT.   SET PF-STATUS 'MAIN'.   SET TITLEBAR 'TITLE' WITH g\_trec.   IF g\_tree IS INITIAL.     PERFORM f0200\_create\_and\_init\_tree.   ENDIF.  ENDMODULE.                             " STATUS\_0100  OUTPUT \*&---------------------------------------------------------------------\* \*&      Module  USER\_COMMAND\_0100  INPUT \*&---------------------------------------------------------------------\* MODULE user\_command\_0100 INPUT.   CASE g\_ok\_code.     WHEN 'BACK'.       IF NOT g\_custom\_container IS INITIAL.         " destroy tree container (detroys contained tree control, too)         CALL METHOD g\_custom\_container->free           EXCEPTIONS             cntl\_system\_error = 1             cntl\_error        = 2.         IF sy-subrc <> 0.           MESSAGE a000(tree\_control\_msg).         ENDIF.         CLEAR g\_custom\_container.         CLEAR g\_tree.       ENDIF.       LEAVE TO SCREEN 0.     WHEN 'DOWNLOAD'.       IF i\_excel\_data IS NOT INITIAL.         PERFORM f0600\_download\_to\_excel.       ENDIF.     WHEN 'EXIT' OR 'CANCEL'.       LEAVE PROGRAM.     WHEN OTHERS.   ENDCASE.    CLEAR g\_ok\_code. ENDMODULE.                             " USER\_COMMAND\_0100  INPUT \*&---------------------------------------------------------------------\* \*&      Form  f0200\_CREATE\_AND\_INIT\_TREE \*&---------------------------------------------------------------------\* \*   Create tree control \*----------------------------------------------------------------------\* \*  There are no interface parameters passed to this subroutine \*----------------------------------------------------------------------\* FORM f0200\_create\_and\_init\_tree.   DATA:     hierarchy\_header TYPE treev\_hhdr,     l\_type           TYPE lvc\_nkey.  \* Create a container for the tree control   CREATE OBJECT g\_custom\_container     EXPORTING       container\_name              = 'CCONTROL'     EXCEPTIONS       cntl\_error                  = 1       cntl\_system\_error           = 2       create\_error                = 3       lifetime\_error              = 4       lifetime\_dynpro\_dynpro\_link = 5.   IF sy-subrc <> 0.     MESSAGE a000(tree\_control\_msg).   ENDIF.    g\_splitter = NEW cl\_gui\_easy\_splitter\_container( parent = g\_custom\_container orientation = 1 ).   g\_container1 = g\_splitter->top\_left\_container.  \* Setup the hierarchy header   hierarchy\_header-heading = 'Material Number'(003).   hierarchy\_header-width = 20.  \* Create object for tree control   CREATE OBJECT g\_tree     EXPORTING       parent                      = g\_container1 "g\_custom\_container       node\_selection\_mode         = cl\_gui\_column\_tree=>node\_sel\_mode\_single       item\_selection              = 'X'       no\_html\_header              = 'X'       no\_toolbar                  = ' '     EXCEPTIONS       cntl\_error                  = 1       cntl\_system\_error           = 2       create\_error                = 3       lifetime\_error              = 4       illegal\_node\_selection\_mode = 5       failed                      = 6       illegal\_column\_name         = 7.  \* Method to create tree control with given table   CALL METHOD g\_tree->set\_table\_for\_first\_display     EXPORTING       is\_hierarchy\_header = hierarchy\_header       i\_background\_id     = ' '     CHANGING       it\_outtab           = i\_output[]       it\_fieldcatalog     = i\_fieldcat.    CLEAR g\_trec. \* Create Tree structure for all the materials \* and corresponding trailers attached to it   LOOP AT i\_yl\_prods\_data INTO i\_yl\_prods\_lines. \*   Add Material node     PERFORM f0400\_add\_materials USING ''                             CHANGING i\_yl\_prods\_lines                                      l\_type.   ENDLOOP.  \* Get the register events of alv and add new events   CALL METHOD g\_tree->get\_registered\_events     IMPORTING       events = i\_events. \* Setting registered events and custom events   APPEND VALUE #( eventid = cl\_gui\_column\_tree=>eventid\_link\_click ) TO i\_events.   CALL METHOD g\_tree->set\_registered\_events     EXPORTING       events                    = i\_events     EXCEPTIONS       cntl\_error                = 1       cntl\_system\_error         = 2       illegal\_event\_combination = 3       OTHERS                    = 4.   IF sy-subrc <> 0.     MESSAGE ID sy-msgid TYPE 'I' NUMBER sy-msgno                WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.   ENDIF.    CREATE OBJECT gr\_events.   SET HANDLER gr\_events->handle\_link\_click FOR g\_tree.  \* This method must be called to send the data to the frontend   CALL METHOD g\_tree->frontend\_update.   CALL METHOD cl\_gui\_cfw=>flush     EXCEPTIONS       cntl\_system\_error = 1       cntl\_error        = 2.  ENDFORM.                               " f0200\_CREATE\_AND\_INIT\_TREE \*&--------------------------------------------------------------------\* \*&      Form  f0600\_download\_to\_excel \*&--------------------------------------------------------------------\* \*  Subroutine to download data to excel sheet \*---------------------------------------------------------------------\* \*  There are no interface parameters passed to this subroutine \*---------------------------------------------------------------------\* FORM f0600\_download\_to\_excel.   DATA:     g\_default\_extension TYPE string VALUE 'XLS',     g\_path              TYPE string,     g\_fullpath          TYPE string,     g\_filename          TYPE string.  \* A popup would appear in order to get the file name and path ....   CALL METHOD cl\_gui\_frontend\_services=>file\_save\_dialog     EXPORTING       default\_extension    = g\_default\_extension     CHANGING       filename             = g\_filename       path                 = g\_path       fullpath             = g\_fullpath \*     user\_action          =     EXCEPTIONS       cntl\_error           = 1       error\_no\_gui         = 2       not\_supported\_by\_gui = 3       OTHERS               = 4.   IF sy-subrc <> 0.     MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno                WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.   ENDIF.     IF g\_fullpath IS NOT INITIAL.      CLEAR i\_excel\_data\_line.     IF fl\_error IS INITIAL. \*     Fill header       i\_excel\_data\_line-matnr    = 'Material Number'(003).       i\_excel\_data\_line-maktx    = 'Material Description'(004).       i\_excel\_data\_line-qdiff    = 'SAP & YM Qty Difference'(014).       i\_excel\_data\_line-sqty     = 'SAP Qty.'(008).       i\_excel\_data\_line-symqty   = 'SAP YL Qty.'(009). \*      i\_excel\_data\_line-tunumext = 'Trailer No.'(005). \*      i\_excel\_data\_line-name1    = 'Carrier'(006). \*      i\_excel\_data\_line-txtlc    = 'Location Type'(015). \*      i\_excel\_data\_line-yloct    = 'Location'(011). \*      i\_excel\_data\_line-lfimg    = 'Quantity'(016). \*      IF p\_matmov IS NOT INITIAL.        "v3.0 \*      i\_excel\_data\_line-matmov = 'Need Matl Move'(013). \*      ENDIF.                             "v3.0       INSERT i\_excel\_data\_line INTO i\_excel\_data INDEX 1.     ENDIF.  \*   File Would be saved in the given filepath ...     CALL METHOD cl\_gui\_frontend\_services=>gui\_download       EXPORTING         filename                = g\_filename         filetype                = 'ASC'         write\_field\_separator   = 'X'       CHANGING         data\_tab                = i\_excel\_data       EXCEPTIONS         file\_write\_error        = 1         no\_batch                = 2         gui\_refuse\_filetransfer = 3         invalid\_type            = 4         no\_authority            = 5         unknown\_error           = 6         header\_not\_allowed      = 7         separator\_not\_allowed   = 8         filesize\_not\_allowed    = 9         header\_too\_long         = 10         dp\_error\_create         = 11         dp\_error\_send           = 12         dp\_error\_write          = 13         unknown\_dp\_error        = 14         access\_denied           = 15         dp\_out\_of\_memory        = 16         disk\_full               = 17         dp\_timeout              = 18         file\_not\_found          = 19         dataprovider\_exception  = 20         control\_flush\_error     = 21         not\_supported\_by\_gui    = 22         error\_no\_gui            = 23         OTHERS                  = 24.     IF sy-subrc <> 0.       fl\_error = 'X'.       MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno                  WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4.     ELSE.       CLEAR fl\_error.     ENDIF.    ENDIF. ENDFORM.                               " f0600\_download\_to\_excel \*&---------------------------------------------------------------------\* \*&      Form  f0400\_add\_materials \*&---------------------------------------------------------------------\* \*  This subroutine is used to add materials and its information        \* \*----------------------------------------------------------------------\* \*   -----> P\_RELAT\_KEY  Node Key                                       \* \*   <----> i\_lips\_line  Material data                                  \* \*   <----  P\_NODE\_KEY   Node Key                                       \* \*----------------------------------------------------------------------\* FORM f0400\_add\_materials USING p\_relat\_key      TYPE lvc\_nkey                       CHANGING i\_yl\_prods\_lines TYPE /deereag/auditreport\_prod\_data                                p\_node\_key       TYPE lvc\_nkey.  \* Variables declarations   DATA:     l\_node\_text    TYPE lvc\_value,     ls\_item\_layout TYPE lvc\_s\_layi,     ls\_node\_layout TYPE lvc\_s\_layn,     lt\_item\_layout TYPE lvc\_t\_layi.    DATA:     li\_mat\_uqty\_line TYPE t\_mat\_uqty.    DATA:     lv\_matnr TYPE mara-matnr.  \* Set item layout   ls\_item\_layout-fieldname = g\_tree->c\_hierarchy\_column\_name.   ls\_item\_layout-class     = cl\_gui\_column\_tree=>item\_class\_link.   APPEND ls\_item\_layout TO lt\_item\_layout.    l\_node\_text = i\_yl\_prods\_lines-matnr.    ls\_node\_layout-n\_image = '@A6@'.    i\_output\_line-matnr = lv\_matnr = i\_yl\_prods\_lines-matnr.   i\_output\_line-werks = p\_werks.  \* Get material description   READ TABLE i\_mat\_des INTO i\_mat\_des\_line   WITH KEY matnr = i\_yl\_prods\_lines-matnr BINARY SEARCH ##WARN\_OK.   IF sy-subrc EQ 0.     i\_output\_line-maktx = i\_mat\_des\_line-maktx.   ENDIF.  \* Get material unrestricted quantity   READ TABLE i\_mat\_uqty INTO li\_mat\_uqty\_line   WITH KEY matnr = i\_yl\_prods\_lines-matnr BINARY SEARCH ##WARN\_OK.   IF sy-subrc EQ 0.     i\_output\_line-sqty = li\_mat\_uqty\_line-labst.   ENDIF.    g\_trec = g\_trec + 1.   CLEAR: i\_excel\_data\_line.    i\_output\_line-symqty = VALUE #( i\_yl\_prods\_sum[ matnr = i\_output\_line-matnr ]-matnrqty OPTIONAL ). "YL Quantity. \*   Calculate quantity difference   i\_output\_line-qdiff = i\_output\_line-sqty - i\_output\_line-symqty.    CLEAR: i\_output\_line-tunumext. \*   Method to add node for each trailer number   CALL METHOD g\_tree->add\_node     EXPORTING       i\_relat\_node\_key = p\_relat\_key       i\_relationship   = cl\_gui\_column\_tree=>relat\_last\_child       i\_node\_text      = l\_node\_text       is\_node\_layout   = ls\_node\_layout       is\_outtab\_line   = i\_output\_line       it\_item\_layout   = lt\_item\_layout     IMPORTING       e\_new\_node\_key   = p\_node\_key.  \*   Populate output excel table   MOVE-CORRESPONDING i\_output\_line TO i\_excel\_data\_line.   CONDENSE: i\_excel\_data\_line-qdiff NO-GAPS,             i\_excel\_data\_line-sqty,             i\_excel\_data\_line-symqty.   APPEND i\_excel\_data\_line TO i\_excel\_data.   CLEAR i\_output\_line.  \*   Trailer information Node   READ TABLE i\_yl\_prods WITH KEY matnr = lv\_matnr                         BINARY SEARCH TRANSPORTING NO FIELDS.   IF sy-subrc = 0.     LOOP AT i\_yl\_prods ASSIGNING FIELD-SYMBOL(<fs\_yl\_trailers>) FROM sy-tabix.       IF <fs\_yl\_trailers>-matnr <> lv\_matnr.         EXIT.       ENDIF.       i\_output\_line-tunumext = <fs\_yl\_trailers>-tunumext.       i\_output\_line-lfimg    = <fs\_yl\_trailers>-matqty.       PERFORM f0500\_add\_trailer\_info USING i\_output\_line                                            p\_node\_key.     ENDLOOP.   ENDIF.  ENDFORM.                               " f0400\_add\_materials \*&---------------- ----------------------------------------------------\* \*&      Form  f0500\_add\_trailer\_info \*&---------------------------------------------------------------------\* \*  This subroutine is used to add materials information to tree        \* \*----------------------------------------------------------------------\* \*   -----> ps\_output\_line   Trailer data                               \* \*   -----> P\_RELAT\_KEY  Node Key                                       \* \*   <----  P\_NODE\_KEY   Node Key                                       \* \*----------------------------------------------------------------------\* FORM f0500\_add\_trailer\_info USING ps\_output\_line TYPE t\_output                                   p\_relat\_key    TYPE lvc\_nkey.  \* Variable declaration   DATA:     l\_node\_text TYPE lvc\_value.        " ALV Control: Cell Content   DATA:     ls\_item\_layout TYPE lvc\_s\_layi,   " Layout structure for items     ls\_node\_layout TYPE lvc\_s\_layn,   " Node layout of ALVtree control \*   Layout table for items of the tree control     lt\_item\_layout TYPE lvc\_t\_layi.  \* Set item-layout   ls\_item\_layout-fieldname = g\_tree->c\_hierarchy\_column\_name.   APPEND ls\_item\_layout TO lt\_item\_layout.  \*  l\_node\_text = ps\_output\_line-exidv2.   ls\_node\_layout-n\_image = '@K4@'.  \* Add complete line   CALL METHOD g\_tree->add\_node     EXPORTING       i\_relat\_node\_key = p\_relat\_key       i\_relationship   = cl\_gui\_column\_tree=>relat\_last\_child       is\_node\_layout   = ls\_node\_layout       is\_outtab\_line   = ps\_output\_line       i\_node\_text      = l\_node\_text       it\_item\_layout   = lt\_item\_layout. \*    IMPORTING \*      e\_new\_node\_key   = DATA(lv\_p\_node\_key.  ENDFORM.                               " f0500\_add\_trailer\_info \*&---------------------------------------------------------------------\* \*&      Form  FETCH\_MB51\_MATERIAL \*&---------------------------------------------------------------------\* FORM fetch\_mb51\_material USING fieldname node\_key ##NEEDED ##PERF\_NO\_TYPE.    DATA: lr\_werks TYPE RANGE OF marc-werks,         lr\_matnr TYPE RANGE OF marc-matnr.    DATA: lt\_fieldcat\_mb51 TYPE lvc\_t\_fcat,         ls\_layout\_mb51   TYPE lvc\_s\_layo.   DATA(ls\_output) = VALUE #( i\_output[ node\_key ] OPTIONAL ).   IF ls\_output-matnr IS NOT INITIAL.     g\_container2 = g\_splitter->bottom\_right\_container.      lr\_matnr = VALUE #( ( sign = 'I' option = 'EQ' low = ls\_output-matnr ) ).     lr\_werks = VALUE #( ( sign = 'I' option = 'EQ' low = ls\_output-werks ) ).      SUBMIT rm07docs WITH werks   IN lr\_werks             "#EC CI\_SUBMIT                     WITH matnr   IN lr\_matnr                     WITH rflat\_l EQ abap\_true                     WITH alv\_def EQ '/DEFAULT'                     EXPORTING LIST TO MEMORY                     AND RETURN.      TRY.         DATA(area) = /deereag/audireport\_shma=>attach\_for\_read( ).       CATCH:  cx\_shm\_inconsistent ##NO\_HANDLER               cx\_shm\_no\_active\_version ##NO\_HANDLER               cx\_shm\_read\_lock\_active ##NO\_HANDLER               cx\_shm\_exclusive\_lock\_active ##NO\_HANDLER               cx\_shm\_parameter\_error ##NO\_HANDLER               cx\_shm\_change\_lock\_active ##NO\_HANDLER.     ENDTRY.      IF area IS BOUND.       area->root->get\_attributes(         IMPORTING             et\_list\_mb51     = i\_list\_mb51[]             et\_fieldcat\_mb51 = i\_fieldcat\_mb51[]             es\_layout        = i\_layout\_mb51             es\_variant       = i\_variant\_mb51       ).        area->detach( ).     ENDIF.      CALL FUNCTION 'LVC\_TRANSFER\_FROM\_SLIS'       EXPORTING         it\_fieldcat\_alv = i\_fieldcat\_mb51[]         is\_layout\_alv   = i\_layout\_mb51       IMPORTING         et\_fieldcat\_lvc = lt\_fieldcat\_mb51         es\_layout\_lvc   = ls\_layout\_mb51       TABLES         it\_data         = i\_list\_mb51[]       EXCEPTIONS         it\_data\_missing = 1         OTHERS          = 2 ##FM\_SUBRC\_OK.      IF g\_alv IS INITIAL.       g\_alv = NEW cl\_gui\_alv\_grid( i\_parent = g\_container2 ).       g\_alv->set\_table\_for\_first\_display(         EXPORTING           is\_layout                     = ls\_layout\_mb51           i\_save                        = 'A' "Allow Variant saving           is\_variant                    = i\_variant\_mb51         CHANGING           it\_outtab                     = i\_list\_mb51[]       " Output Table           it\_fieldcatalog               = lt\_fieldcat\_mb51    " Field Catalog         EXCEPTIONS           invalid\_parameter\_combination = 1           program\_error                 = 2           too\_many\_lines                = 3           OTHERS                        = 4  ).     ELSE. \* This method must be called to send the data to the frontend       CALL METHOD g\_tree->frontend\_update.       g\_alv->refresh\_table\_display( ).       CALL METHOD cl\_gui\_cfw=>flush         EXCEPTIONS           cntl\_system\_error = 1           cntl\_error        = 2.     ENDIF.    ENDIF. ENDFORM. \*&---------------------------------------------------------------------\* \*&      Form  F\_YARD\_F4 \*&---------------------------------------------------------------------\* FORM f\_yard\_f4. " CHANGING cp\_yard TYPE char4.    CALL FUNCTION 'Z\_YL\_GET\_YARD\_FOR\_AUDIT\_REPORT' DESTINATION gv\_destination     IMPORTING       et\_yards          = i\_yards     EXCEPTIONS       field\_not\_found   = 1       no\_help\_for\_field = 2       inconsistent\_help = 3       no\_values\_found   = 4       OTHERS            = 5.   IF sy-subrc <> 0.     MESSAGE TEXT-023 TYPE 'S' DISPLAY LIKE 'E'. "technical exception     LEAVE LIST-PROCESSING.   ENDIF.  \* Function module for f4 help   CALL FUNCTION 'F4IF\_INT\_TABLE\_VALUE\_REQUEST'     EXPORTING       retfield        = 'YARDNO'       dynpprog        = sy-repid       dynpnr          = sy-dynnr       dynprofield     = 'P\_YARD'       value\_org       = 'S'     TABLES       value\_tab       = i\_yards \*     return\_tab      = lt\_return\_tab     EXCEPTIONS       parameter\_error = 1       no\_values\_found = 2       OTHERS          = 3 ##FM\_SUBRC\_OK.  ENDFORM. \*&---------------------------------------------------------------------\* \*&      Form  F\_GET\_YL\_DESTINATION \*&---------------------------------------------------------------------\* FORM f\_get\_yl\_destination.  \* Get Yard Logistics Destination from /DEERE/VENHVAL   SELECT SINGLE key1 ##WARN\_OK     FROM /deere/venhval     INTO gv\_destination     WHERE pgmid  = sy-repid       AND enh\_id = 'YL'.   IF sy-subrc <> 0.     MESSAGE TEXT-022 TYPE 'S' DISPLAY LIKE 'E'. "Please mantain YL Destination at /DEERE/VENHVAL     LEAVE LIST-PROCESSING.   ENDIF.  ENDFORM. \*&---------------------------------------------------------------------\* \*&      Form  F\_WERKS\_F4 \*&---------------------------------------------------------------------\* FORM f\_werks\_lgort\_f4 USING    up\_fieldname ##PERF\_NO\_TYPE                       CHANGING cp\_field ##PERF\_NO\_TYPE.    DATA: lr\_lgort TYPE RANGE OF t001l-lgort,         lr\_werks TYPE RANGE OF t001l-werks.    DATA: lt\_return   TYPE STANDARD TABLE OF ddshretval,         lt\_dynpread TYPE TABLE OF dynpread.    lt\_dynpread = VALUE #( ( fieldname = 'P\_WERKS' ) ( fieldname = 'P\_LGORT' ) ).    CALL FUNCTION 'DYNP\_VALUES\_READ'     EXPORTING       dyname               = sy-cprog       dynumb               = sy-dynnr     TABLES       dynpfields           = lt\_dynpread     EXCEPTIONS       invalid\_abapworkarea = 1       invalid\_dynprofield  = 2       invalid\_dynproname   = 3       invalid\_dynpronummer = 4       invalid\_request      = 5       no\_fielddescription  = 6       invalid\_parameter    = 7       undefind\_error       = 8       double\_conversion    = 9       stepl\_not\_found      = 10       OTHERS               = 11.   IF sy-subrc EQ 0 AND lines( lt\_dynpread ) > 0.     DATA(lv\_lgort) = VALUE #( lt\_dynpread[ fieldname = 'P\_LGORT' ]-fieldvalue ).     IF lv\_lgort IS NOT INITIAL.       lr\_lgort = VALUE #( ( sign = 'I' option = 'CP' low = lv\_lgort ) ).     ENDIF.     DATA(lv\_werks) = VALUE #( lt\_dynpread[ fieldname = 'P\_WERKS' ]-fieldvalue ).     IF lv\_werks IS NOT INITIAL.       lr\_werks = VALUE #( ( sign = 'I' option = 'CP' low = lv\_werks ) ).     ENDIF.   ENDIF.    SELECT a~werks, a~name1, b~lgort, b~lgobe     FROM t001w AS a INNER JOIN t001l AS b ON a~werks = b~werks "#EC CI\_BUFFJOIN     INTO TABLE @DATA(lt\_values)     WHERE a~werks IN @lr\_werks       AND b~lgort IN @lr\_lgort.  \* Function module for f4 help   CALL FUNCTION 'F4IF\_INT\_TABLE\_VALUE\_REQUEST'     EXPORTING       retfield        = CONV fieldname( up\_fieldname )       value\_org       = 'S'     TABLES       value\_tab       = lt\_values       return\_tab      = lt\_return     EXCEPTIONS       parameter\_error = 1       no\_values\_found = 2       OTHERS          = 3.   IF sy-subrc = 0.     cp\_field = VALUE #( lt\_return[ 1 ]-fieldval OPTIONAL ).   ENDIF.  ENDFORM. |

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| class /DEEREAG/MB51\_SHARED\_MEMORY definition  public  final  create public  shared memory enabled .  public section.  interfaces IF\_SHM\_BUILD\_INSTANCE .  types:  ty\_fieldcat\_mb51 TYPE TABLE OF slis\_fieldcat\_alv .  types:  BEGIN OF i\_list\_mb51,  anln1 TYPE mseg-anln1,  anln2 TYPE mseg-anln2,  aplzl TYPE mseg-aplzl,  aufnr TYPE mseg-aufnr,  aufpl TYPE mseg-aufpl,  bktxt TYPE mkpf-bktxt,  bldat TYPE mkpf-bldat,  bpmng TYPE mseg-bpmng,  bprme TYPE mseg-bprme,  bstme TYPE mseg-bstme,  bstmg TYPE mseg-bstmg,  budat TYPE mkpf-budat,  budat\_mkpf TYPE mseg-budat\_mkpf,  bukrs TYPE mseg-bukrs,  bwart TYPE mseg-bwart,  bwtar TYPE mseg-bwtar,  charg TYPE mseg-charg,  cpudt TYPE mkpf-cpudt,  cpudt\_mkpf TYPE mseg-cpudt\_mkpf,  cputm TYPE mkpf-cputm,  cputm\_mkpf TYPE mseg-cputm\_mkpf,  dmbtr TYPE mseg-dmbtr,  ebeln TYPE mseg-ebeln,  ebelp TYPE mseg-ebelp,  erfme TYPE mseg-erfme,  erfmg TYPE mseg-erfmg,  exbwr TYPE mseg-exbwr,  exvkw TYPE mseg-exvkw,  frbnr TYPE mkpf-frbnr,  grund TYPE mseg-grund,  kdauf TYPE mseg-kdauf,  kdein TYPE mseg-kdein,  kdpos TYPE mseg-kdpos,  kostl TYPE mseg-kostl,  kunnr TYPE mseg-kunnr,  kzbew TYPE mseg-kzbew,  kzvbr TYPE mseg-kzvbr,  kzzug TYPE mseg-kzzug,  lgort TYPE mseg-lgort,  lifnr TYPE mseg-lifnr,  matnr TYPE mseg-matnr,  mat\_kdauf TYPE mseg-mat\_kdauf,  mat\_kdpos TYPE mseg-mat\_kdpos,  mblnr TYPE mkpf-mblnr,  meins TYPE mseg-meins,  menge TYPE mseg-menge,  mjahr TYPE mkpf-mjahr,  nplnr TYPE mseg-nplnr,  ps\_psp\_pnr TYPE mseg-ps\_psp\_pnr,  rsnum TYPE mseg-rsnum,  rspos TYPE mseg-rspos,  sakto TYPE mseg-sakto,  sgtxt TYPE mseg-sgtxt,  shkzg TYPE mseg-shkzg,  sobkz TYPE mseg-sobkz,  usnam TYPE mkpf-usnam,  usnam\_mkpf TYPE mseg-usnam\_mkpf,  vgart TYPE mkpf-vgart,  vgart\_mkpf TYPE mseg-vgart\_mkpf,  vkwrt TYPE mseg-vkwrt,  waers TYPE mseg-waers,  werks TYPE mseg-werks,  xabln TYPE mkpf-xabln,  xauto TYPE mseg-xauto,  xblnr TYPE mkpf-xblnr,  xblnr\_mkpf TYPE mseg-xblnr\_mkpf,  zeile TYPE mseg-zeile,  maa\_urzei TYPE mseg-maa\_urzei,  xmacc TYPE mseg-xmacc,  maktx TYPE makt-maktx,  ekkn\_zekkn TYPE dzekkn, "MAA EhP4  ekpo\_meins TYPE ekpo-meins, "MAA EhP4  pstyp TYPE ekpo-pstyp, "MAA2  knttp TYPE knttp, "MAA EhP4  vrtkz TYPE ekpo-vrtkz, "MAA EhP4  twrkz TYPE ekpo-twrkz, "MAA EhP4  ekpo\_weunb TYPE ekpo-weunb, "MAA EhP4  mb51\_share TYPE ekbe\_ma-share\_f, "MAA EhP4  mb51\_share\_menge TYPE mb51\_share\_menge, "MAA EhP4  mb51\_share\_bpmng TYPE mb51\_share\_bpmng, "MAA EhP4  mb51\_share\_dmbtr TYPE mb51\_share\_dmbtr, "MAA EhP4  name1 TYPE t001w-name1,  btext TYPE t156t-btext,  pspid TYPE prps-posid,  vornr TYPE vornr, "215929  color\_line(03) TYPE c, "n555  color TYPE slis\_t\_specialcol\_alv,  longnum TYPE /sappspro/longnum,  matnr\_ext TYPE matnr\_ext, "DI note 1231344  END OF i\_list\_mb51 .  types:  ty\_list\_mb51 TYPE TABLE OF i\_list\_mb51 .  methods SET\_ATTRIBUTES  importing  !IT\_LIST\_MB51 type TY\_LIST\_MB51  !IT\_FIELDCAT\_MB51 type TY\_FIELDCAT\_MB51  !IS\_LAYOUT type SLIS\_LAYOUT\_ALV optional  !IS\_VARIANT type DISVARIANT optional .  methods GET\_ATTRIBUTES  exporting  !ET\_LIST\_MB51 type TY\_LIST\_MB51  !ET\_FIELDCAT\_MB51 type TY\_FIELDCAT\_MB51  !ES\_LAYOUT type SLIS\_LAYOUT\_ALV  !ES\_VARIANT type DISVARIANT .  protected section.  private section.  data GT\_LIST\_MB51 type TY\_LIST\_MB51 .  data GT\_FIELDCAT\_MB51 type TY\_FIELDCAT\_MB51 .  data GS\_LAYOUT type SLIS\_LAYOUT\_ALV .  data GS\_VARIANT type DISVARIANT .  ENDCLASS.  CLASS /DEEREAG/MB51\_SHARED\_MEMORY IMPLEMENTATION.  METHOD get\_attributes.  et\_list\_mb51 = gt\_list\_mb51.  et\_fieldcat\_mb51 = gt\_fieldcat\_mb51.  es\_layout = gs\_layout.  es\_variant = gs\_variant.  \* CLEAR:gt\_list\_mb51,gt\_fieldcat\_mb51.  ENDMETHOD.  METHOD if\_shm\_build\_instance~build.  DATA: area TYPE REF TO /deereag/audireport\_shma,  root TYPE REF TO /deereag/mb51\_shared\_memory,  excep TYPE REF TO cx\_root.  DATA: lt\_list\_mb51 TYPE ty\_list\_mb51,  lt\_fieldcat\_mb51 TYPE ty\_fieldcat\_mb51,  ls\_layout TYPE slis\_layout\_alv,  ls\_variant TYPE disvariant.  TRY.  area = /deereag/audireport\_shma=>attach\_for\_write( ).  CATCH cx\_shm\_error INTO excep.  RAISE EXCEPTION TYPE cx\_shm\_build\_failed  EXPORTING  previous = excep.  ENDTRY.  CREATE OBJECT root AREA HANDLE area.  CALL METHOD root->set\_attributes  EXPORTING  it\_list\_mb51 = lt\_list\_mb51  it\_fieldcat\_mb51 = lt\_fieldcat\_mb51  is\_layout = ls\_layout  is\_variant = ls\_variant.  area->set\_root( root ).  area->detach\_commit( ).  ENDMETHOD.  METHOD set\_attributes.  gt\_list\_mb51 = it\_list\_mb51.  gt\_fieldcat\_mb51 = it\_fieldcat\_mb51.  gs\_layout = is\_layout.  gs\_variant = is\_variant.  ENDMETHOD.  ENDCLASS. |

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