```abap
FUNCTION zscwm_rf_zcusdt_pai.
*"----------------------------------------------------------------------
*"*"Local Interface:
*"  CHANGING
*"     REFERENCE(ZCS_HU_MERGE) TYPE  ZSCWM_ST_HU_MERGE
*"----------------------------------------------------------------------
********************************************************************************
*                              WIPRO CONSUMERS                               *
********************************************************************************
* OBJECT INFORMATION                                                         *
********************************************************************************
* Module            : EWM                                                    *
* Developer          : Nayan                                                 *
* Requestor          : Rishabh Verma                                         *
* Date Of Creation   : 09/21/2023                                            *
* Transport Request  : H1DK900428                                            *
* Development Object : ZSCWM_RF_ZCUSDT_PAI                                    *
* Description        : Merge the HU's                                        *
*============================================================================*
* MODIFICATION HISTORY                                                       *
*----------------------------------------------------------------------------*
* Mod. No.   Date          Name              Transport Number      Change Desc.    *
*----------------------------------------------------------------------------*
*                                                                            *
*                                                                            *
*----------------------------------------------------------------------------*

  DATA : ls_rsrc         TYPE /scwm/rsrc,
         lv_stock_guid   TYPE /lime/guid_stock,
         ls_quantity     TYPE /scwm/s_quan,
         ls_workst       TYPE /scwm/tworkst,
         ls_pack_control TYPE /scwm/s_pack_controle,
         lt_cancel       TYPE /scwm/tt_cancl,
         ls_cancel       TYPE /scwm/cancl,
         lt_bapiret      TYPE  bapirettab,
         lv_severity     TYPE bapi_mtype.
  DATA : lt_bin TYPE  rseloption,
         ls_bin TYPE rsdsselopt.

  CALL METHOD /scwm/cl_rf_bll_srvc=>get_fcode
    RECEIVING
      rv_fcode = DATA(lv_fcode).

  IF lv_fcode = 'ENTER'.
    IF zcs_hu_merge-nlenr IS NOT INITIAL.

*--->cleanup.
      /scwm/cl_tm=>cleanup( ).

      CALL FUNCTION '/SCWM/RSRC_RESOURCE_MEMORY'
        EXPORTING
          iv_uname = sy-uname
        CHANGING
          cs_rsrc  = ls_rsrc.

*---> Set application warehouse number
      CALL METHOD /scwm/cl_tm=>set_lgnum( ls_rsrc-lgnum ).

*---> get object reference.
      /scwm/cl_wm_packing=>get_instance( IMPORTING eo_instance = DATA(lo_pack) ).
      " Destination HU
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```abap
      CALL METHOD lo_pack->get_hu
        EXPORTING
          iv_huident = zcs_hu_merge-nlenr
        IMPORTING
          et_huitm   = DATA(lt_huitm_d)              " Material Items in the HU
          es_huhdr   = DATA(ls_huhdr_d)              " Internal Structure for Processing the HU H
          et_huref   = DATA(lt_huref_d)               " Table with HU References
        EXCEPTIONS
          not_found  = 1
          OTHERS     = 2.

      IF lt_huitm_d IS NOT INITIAL.
      ELSE.
        MESSAGE e017(zewm).
      ENDIF.

      " Source HU
      CALL METHOD lo_pack->get_hu
        EXPORTING
          iv_huident = zcs_hu_merge-vlenr
        IMPORTING
          et_huitm   = DATA(lt_huitm_s)
          es_huhdr   = DATA(ls_huhdr_s)
          et_huref   = DATA(lt_huref_s)
        EXCEPTIONS
          not_found  = 1
          OTHERS     = 2.

      IF ls_huhdr_s-lgtyp NE ls_huhdr_d-lgtyp.
        MESSAGE e018(zewm).
      ENDIF.

      READ TABLE lt_huref_s INTO DATA(ls_huref_s) INDEX 1.
      READ TABLE lt_huref_d INTO DATA(ls_huref_d) INDEX 1.
      IF ls_huref_d-docid NE ls_huref_s-docid.
        MESSAGE e019(zewm).
      ENDIF.
      " Cancel HU's Warehouse Task
      SELECT * FROM /scwm/ordim_o INTO TABLE @DATA(lt_ordim_o)
        WHERE vlenr =  @zcs_hu_merge-vlenr.
      IF sy-subrc = 0 AND lt_ordim_o IS NOT INITIAL.
        SORT lt_ordim_o BY tanum.
        LOOP AT lt_ordim_o INTO DATA(ls_ordim_o).
          ls_cancel-tanum = ls_ordim_o-tanum.
          APPEND ls_cancel TO lt_cancel.
          CLEAR ls_cancel.
        ENDLOOP.

        CALL FUNCTION '/SCWM/TO_CANCEL' IN BACKGROUND TASK AS SEPARATE UNIT
          EXPORTING
            iv_lgnum        = zcs_hu_merge-lgnum
            iv_commit_work  = 'X'
            it_cancl        = lt_cancel
          IMPORTING
            et_bapiret      = lt_bapiret
            ev_severity     = lv_severity.
**        WAIT UP TO 5 SECONDS.
      ENDIF.

      CALL FUNCTION '/SCWM/TWORKST_READ_SINGLE'
        EXPORTING
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```abap
          iv_lgnum        = ls_rsrc-lgnum
          iv_workstation = ls_huhdr_d-lgtyp
        IMPORTING
          es_workst       = ls_workst
        EXCEPTIONS
          error          = 1
          not_found      = 2
          OTHERS         = 3.
      IF sy-subrc = 0 AND ls_workst IS NOT INITIAL.
*-- Get workcenter details.
        ls_bin-low = ls_huhdr_d-lgpla.
        ls_bin-sign = 'I'.
        ls_bin-option = 'EQ'.
        APPEND ls_bin TO lt_bin.


        CALL METHOD lo_pack->init_by_workstation
          EXPORTING
            is_workstation = ls_workst
            ir_bin         = lt_bin
          EXCEPTIONS
            error          = 1
            OTHERS         = 2.

      ENDIF.

      LOOP AT lt_huitm_s INTO DATA(ls_huitm_s).
        lv_stock_guid = ls_huitm_s-guid_stock.
        ls_quantity-quan = ls_huitm_s-quan.
        ls_quantity-unit = ls_huitm_s-meins.
        CALL METHOD lo_pack->/scwm/if_pack_bas~repack_stock
          EXPORTING
            iv_dest_hu    = ls_huhdr_d-guid_hu
            iv_source_hu  = ls_huhdr_s-guid_hu
            iv_stock_guid = lv_stock_guid
            is_quantity   = ls_quantity
          EXCEPTIONS
            error          = 1                " See Log
            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.
      ENDLOOP.

      CALL METHOD lo_pack->/scwm/if_pack_bas~save
        EXPORTING
          iv_commit = 'X'
          iv_wait   = 'X'
        EXCEPTIONS
          error     = 1                " See Log
          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.
      COMMIT WORK AND WAIT.
    ELSE.
      MESSAGE e016(zewm).
    ENDIF.
  ELSEIF  lv_fcode = 'HULIST'.
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    ENDIF.

ENDFUNCTION.
```