Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application, table

Description automatically generated

class CL\_FDC\_CLEARING\_DOCUMENT\_INF definition  
  public  
  final  
  create public .  
  
public section.  
  
  types:  
    BEGIN OF ty\_cash\_item,  
        bukrs TYPE bukrs,  
        hkont TYPE hkont,  
        shkzg TYPE shkzg,  
        wrbtr TYPE wrbtr,  
        hbkid TYPE hbkid,  
        hktid TYPE hktid,  
        prctr TYPE prctr,  
        sgtxt TYPE sgtxt,  
        zuonr TYPE dzuonr,  
      END OF ty\_cash\_item .  
  types:  
    tty\_cash\_item TYPE STANDARD TABLE OF ty\_cash\_item .  
  types:  
    BEGIN OF ty\_apar\_item\_on\_account,  
        bukrs TYPE bukrs,  
        koart TYPE koart,  
        konko TYPE konko,  
        shkzg TYPE shkzg,  
        wrbtr TYPE wrbtr,  
        sgtxt TYPE sgtxt,  
        zuonr TYPE dzuonr,  
      END OF ty\_apar\_item\_on\_account .  
  types:  
    tty\_apar\_item\_on\_account TYPE STANDARD TABLE OF ty\_apar\_item\_on\_account .  
  types:  
    BEGIN OF ty\_clearing\_header,  
        bukrs TYPE  bukrs,  
        belnr TYPE  fis\_belnr\_input,  
        blart TYPE  fis\_blart,  
        bldat TYPE  fis\_bldat,  
        budat TYPE  budat,  
        monat TYPE  monat,  
        wwert TYPE  fac\_wwert\_d,  
        waers TYPE  fac\_twaer,  
        kursf TYPE  fis\_kursf,  
        bktxt TYPE  fac\_bktxt,  
        xblnr TYPE  xblnr1,  
        usnam TYPE  usnam,  
        auglv TYPE  auglv,  
        "awtyp TYPE  awtyp, should be BKPFF - should be clarified with Sophie - to allow reversal  
        "awref TYPE  awref,  
        "aworg TYPE  aworg,  
      END OF ty\_clearing\_header .  
  types:  
    BEGIN OF ty\_distribute\_pay\_diff,  
        rstgr   TYPE  rstgr,  
        restn   TYPE  trest\_df05,  
        xref1   TYPE xref1,  
        xref2   TYPE xref2,  
      END OF ty\_distribute\_pay\_diff .  
  types:  
    BEGIN OF ty\_apar\_item\_to\_be\_clrd,  
        bukrs                TYPE  bukrs,  
        koart                TYPE koart,  
        konko                TYPE konko,  
        gjahr                TYPE  gjahr,  
        belnr                TYPE  belnr\_d,  
        buzei                TYPE  buzei,  
        "how to handle display vs. local currency:  
        "clearing can be made in clearing currency or local currency - default is clearing currency  
        ppamtdc              TYPE  fdc\_ppamtdc, "Partial Clearing Amount  
        cdamtdc              TYPE  fdc\_cdamtdc, "Cash discount  
        cdpercentage         TYPE  dzbdxp,      "Cash discount percentage  
        odamtdc              TYPE  fdc\_odamtdc, "other deduction amount  
        odreasoncode         TYPE  rstgr,       "other deduction reason  
        distribute\_pay\_diffs TYPE TABLE OF  ty\_distribute\_pay\_diff WITH NON-UNIQUE DEFAULT KEY, "pay diff distribution  
      END OF ty\_apar\_item\_to\_be\_clrd .  
  types:  
    BEGIN OF  ty\_gl\_item\_to\_be\_clrd,  
        bukrs        TYPE  bukrs,  
        hkont        TYPE hkont,  
        gjahr        TYPE  gjahr,  
        belnr        TYPE  belnr\_d,  
        buzei        TYPE  buzei,  
        ppamtdc      TYPE  fdc\_ppamtdc, "Partial Clearing Amount  
        odamtdc      TYPE  fdc\_odamtdc, "other deduction amount  
        odreasoncode TYPE  rstgr,       "other deduction reason  
      END OF ty\_gl\_item\_to\_be\_clrd .  
  types:  
    tty\_apar\_item\_to\_be\_clrd TYPE TABLE OF ty\_apar\_item\_to\_be\_clrd WITH UNIQUE SORTED KEY item\_id  
                           COMPONENTS bukrs koart konko gjahr belnr buzei .  
  types:  
    tty\_gl\_item\_to\_be\_clrd TYPE TABLE OF ty\_gl\_item\_to\_be\_clrd WITH UNIQUE SORTED KEY item\_id  
                           COMPONENTS bukrs hkont gjahr belnr buzei .  
  
  methods CONSTRUCTOR .  
  methods POST  
    importing  
      !IS\_CLEARING\_HEADER type TY\_CLEARING\_HEADER  
      !IT\_CASH\_ITEM type TTY\_CASH\_ITEM optional  
      !IT\_APAR\_ITEM\_TO\_BE\_CLRD type TTY\_APAR\_ITEM\_TO\_BE\_CLRD optional  
      !IT\_GL\_ITEM\_TO\_BE\_CLRD type TTY\_GL\_ITEM\_TO\_BE\_CLRD optional  
      !IT\_APAR\_ITEM\_ON\_ACCOUNT type TTY\_APAR\_ITEM\_ON\_ACCOUNT optional  
      !IV\_TEST\_RUN type ABAP\_BOOL default ABAP\_FALSE  
    exporting  
      !ES\_POSTED\_DOCUMENT type FDC\_S\_ACCDOC\_HDR\_KEY\_ODATA  
      !ET\_MESSAGE type BAPIRETTAB  
    returning  
      value(RV\_ERROR\_OCCURED) type ABAP\_BOOL .

Calendar

Description automatically generated with medium confidence

  METHOD map\_input\_to\_posting\_interface.  
  
\*----- maps input structure of service to bapi structures -------------------------------------\*  
    DATA ls\_gl\_item           LIKE LINE OF et\_gl\_item\_to\_be\_clrd.  
    DATA ls\_apar\_item         LIKE LINE OF et\_apar\_item\_to\_be\_clrd.  
  
    FIELD-SYMBOLS <ls\_gl\_item> LIKE LINE OF is\_je\_input-glitems.  
    FIELD-SYMBOLS <ls\_apar\_item> LIKE LINE OF is\_je\_input-aparitems.  
  
    CLEAR: es\_docheader, et\_apar\_item\_to\_be\_clrd, et\_gl\_item\_to\_be\_clrd, et\_msg.  
  
\*   document header  
    es\_docheader-bukrs = is\_je\_input-company\_code.  
\*    es\_docheader-belnr = is\_je\_input-accounting\_document.  
    es\_docheader-bktxt = is\_je\_input-document\_header\_text.  
    es\_docheader-blart = is\_je\_input-accounting\_document\_type.  
    es\_docheader-bldat = is\_je\_input-document\_date.  
    es\_docheader-budat = is\_je\_input-posting\_date.  
    es\_docheader-kursf = is\_je\_input-exchange\_rate.  
    es\_docheader-monat = is\_je\_input-fiscal\_period.  
    es\_docheader-usnam = is\_je\_input-created\_by\_user.  
    es\_docheader-xblnr = is\_je\_input-reference\_document.  
    es\_docheader-waers = is\_je\_input-currency\_code.  
    es\_docheader-wwert = is\_je\_input-currency\_translation\_date.  
  
    IF is\_je\_input-accounting\_document IS NOT INITIAL.  
      CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'  
        EXPORTING  
          input  = is\_je\_input-accounting\_document  
        IMPORTING  
          output = es\_docheader-belnr.  
    ENDIF.  
  
\*----- mapping of GL item --------------------------------------------------------------------\*  
    LOOP AT is\_je\_input-glitems ASSIGNING <ls\_gl\_item>.  
      CLEAR ls\_gl\_item.  
  
\* Document to be cleared  
      ls\_gl\_item-belnr = <ls\_gl\_item>-accounting\_document.  
      CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'  
        EXPORTING  
          input  = ls\_gl\_item-belnr  
        IMPORTING  
          output = ls\_gl\_item-belnr.  
  
      ls\_gl\_item-buzei = <ls\_gl\_item>-accounting\_document\_item.  
      CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'  
        EXPORTING  
          input  = ls\_gl\_item-buzei  
        IMPORTING  
          output = ls\_gl\_item-buzei.  
  
\* Company Code  
      IF <ls\_gl\_item>-company\_code IS INITIAL.  
        ls\_gl\_item-bukrs = es\_docheader-bukrs.  
      ELSE.  
        ls\_gl\_item-bukrs = <ls\_gl\_item>-company\_code.  
      ENDIF.  
  
\* Fiscal Year  
      ls\_gl\_item-gjahr = <ls\_gl\_item>-fiscal\_year.  
  
\* Open Item Account  
      ls\_gl\_item-hkont = <ls\_gl\_item>-glaccount-content.  
      CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'  
        EXPORTING  
          input  = ls\_gl\_item-hkont  
        IMPORTING  
          output = ls\_gl\_item-hkont.  
  
      APPEND ls\_gl\_item TO et\_gl\_item\_to\_be\_clrd.  
  
    ENDLOOP.  
  
\*----- mapping of AP/AR item --------------------------------------------------------------------\*  
    LOOP AT is\_je\_input-aparitems ASSIGNING <ls\_apar\_item>.  
      CLEAR ls\_apar\_item.  
  
\* Document to be cleared  
      ls\_apar\_item-belnr = <ls\_apar\_item>-accounting\_document.  
      CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'  
        EXPORTING  
          input  = ls\_apar\_item-belnr  
        IMPORTING  
          output = ls\_apar\_item-belnr.  
  
      ls\_apar\_item-buzei = <ls\_apar\_item>-accounting\_document\_item.  
      CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'  
        EXPORTING  
          input  = ls\_apar\_item-buzei  
        IMPORTING  
          output = ls\_apar\_item-buzei.  
  
\* Company Code  
      IF <ls\_apar\_item>-company\_code IS INITIAL.  
        ls\_apar\_item-bukrs = es\_docheader-bukrs.  
      ELSE.  
        ls\_apar\_item-bukrs = <ls\_apar\_item>-company\_code.  
      ENDIF.  
  
\* Partial payment amount  
      ls\_apar\_item-ppamtdc = <ls\_apar\_item>-partial\_payment\_amt\_in\_dsp\_crc-content.  
  
\* Cash discount amount  
      ls\_apar\_item-cdamtdc = <ls\_apar\_item>-cash\_discount\_amount\_in\_dsp\_cr-content.  
  
\* Residual clearing amount  
      ls\_apar\_item-odamtdc = <ls\_apar\_item>-other\_deduction\_amount\_in\_dsp-content.  
      ls\_apar\_item-odreasoncode = <ls\_apar\_item>-payment\_difference\_reason.  
  
\* Payment difference distribution  
      LOOP AT <ls\_apar\_item>-payment\_difference\_distributio INTO DATA(ls\_pay\_diff).  
        APPEND INITIAL LINE TO ls\_apar\_item-distribute\_pay\_diffs ASSIGNING FIELD-SYMBOL(<fs\_pay\_diff>).  
        <fs\_pay\_diff>-rstgr = ls\_pay\_diff-payment\_difference\_reason.  
        <fs\_pay\_diff>-restn = ls\_pay\_diff-other\_deduction\_amount\_in\_dsp-content.  
        <fs\_pay\_diff>-xref1 = ls\_pay\_diff-reference1idby\_business\_partne.  
        <fs\_pay\_diff>-xref2 = ls\_pay\_diff-reference2idby\_business\_partne.  
      ENDLOOP.  
  
\* Fiscal Year  
      ls\_apar\_item-gjahr = <ls\_apar\_item>-fiscal\_year.  
  
\* Account Type  
      ls\_apar\_item-koart = <ls\_apar\_item>-account\_type.  
  
\* Creditor/Debtor  
      ls\_apar\_item-konko = <ls\_apar\_item>-aparaccount.  
      CALL FUNCTION 'CONVERSION\_EXIT\_ALPHA\_INPUT'  
        EXPORTING  
          input  = ls\_apar\_item-konko  
        IMPORTING  
          output = ls\_apar\_item-konko.  
  
      APPEND ls\_apar\_item TO et\_apar\_item\_to\_be\_clrd.  
  
    ENDLOOP.  
  
  
  
  ENDMETHOD.