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/* Freek Keijzer, myBrand, 19.03.2020
Enrichment view for financial analysis Actuals + Plan + Commitments.
Transformations, enrichments:
- Posting Period as CHAR-3, otherwise period '000' is displayed as '#'
- Time characteristics based on Posting Date
- Only use numeric WBS-element acdoca/acdocp/ekkn.ps_psp_pnr from
  transaction data tables, and obtain other versions and properties
  of WBS-element via master data view.
  Reason: fields acdoca/acdocp.ps_posid can have erroneous value.
- Network Activity: description and WBS-element
- Flattened hierarchy for G/L Account
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Change-log:
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JIRA-23456, 06-07-2020, Danny Linders
Replace ZA_FI_RACCT_HIER by parametrized version ZA_FI_RACCT_HIER_PAR
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@EndUserText.label: 'FI: Data Act.+Plan+Commitm., enrichment'
@AbapCatalog.sqlViewName: 'ZPFIACDOCAPCOOI'

@AbapCatalog.compiler.compareFilter: true
@AbapCatalog.preserveKey: true
@AccessControl.authorizationCheck: #CHECK

define view ZP_FI_ACDOCAPCOOI as select from ZP_FI_ACDOCAPCOOI_UN as _Fin
  association[0..1] to I_CalendarDate as _Calendar on $projection.budat = _Calendar.CalendarDate
  association[0..1] to I_WBSElementBasicData as _Wbs on $projection.WBSElementInternalID = _Wbs.WBSElementInternalID
  association[0..1] to ZB_PS_AFVC_CAUFV as _Nwa on $projection.nplnr = _Nwa.aufnr and
    $projection.nplnr_vorgn = _Nwa.vornr
  association[0..1] to ZA_FI_RACCT_HIER_PAR as _GlHier on $projection.ktopl = _GlHier.ktopl and
    $projection.racct = _GlHier.saknr

{
  _Fin.Source, //Source = 'ACDOCA', 'ACDOCP' or 'COOI'

/--Fields from table Actuals ACDOCA
  _Fin.rldnr, //Ledger in General Ledger Accounting (acdoca/acdocp.rldnr)
  _Fin.rbukrs, //Company Code (acdoca/acdocp.rbukrs, cooi.bukrs)
  _Fin.gjahr, //Fiscal Year (acdoca/acdocp/cooi.gjahr)
  _Fin.belnr, //Accounting Document (acdoca.belnr)
  _Fin.docln, //Accounting Document Item (acdoca.docln)
  _Fin.rmvct, //Transaction type (acdoca/acdocp.rmvct)
  _Fin.awtyp, //Reference procedure (acdoca/acdocp.awtyp, cooi.rftyp)
  _Fin.racct, //G/L Account (acdoca/acdocp.racct/cooi.sakto)
  _Fin.rcntr, //Cost Center (acdoca/acdocp.rcntr, ekkn.kostl)
  _Fin.prctr, //Profit Center (acdoca/acdocp/ekkn.prctr)
  _Fin.rbusa, //Business Area (acdoca/acdocp.rbusa)
  _Fin.kokrs, //Controlling Area (acdoca/acdocp/cooi.kokrs)
  _Fin.rassc, //Company ID of trading partner (acdoca/acdocp.rassc, cooi.vbund)
  _Fin.ksl, //Amount in Global Currency (acdoca/acdocp.ksl)
  _Fin.rkcur, //Global Currency (acdoca/acdocp.rkcur)
  _Fin.quant_ap, //Quantity (acdoca.msl/acdocp.vmsl -> quant_ap)
  _Fin.quant_ap_unit, //UoM for Quantity (acdoca.runit/acdocp.rvunit -> quant_ap_unit)
  _Fin.drcrk, //Debit/Credit Indicator (acdoca.drcrk, acdocp.co_belkz/cooi.beknz -> drcrk)
  _Fin.poper, //Posting period (acdoca/acdocp.poper, cooi.perio)
  cast(_Fin.poper as abap.char(3)) as FiscPer, //Posting period (acdoca/acdocp.poper, cooi.perio) as CHAR-3
  _Fin.periv, //Fiscal Year Variant (acdoca/acdocp.periv)
  _Fin.fiscyearper, //Period/year (acdoca/acdocp.fiscyearper, cooi.gjahr+perio)
  _Fin.budat, //Posting Date (acdoca/acdocp.budat), Expected Debit Date (cooi.budat)

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_Fin.bldat, //Document Date (acdoca/cooi.bldat)
_Fin.blart, //Document type (acdoca.blart)
_Fin.zuonr, //Assignment number (acdoca.zuonr)
_Fin.bschl, //Posting Key (acdoca.bschl)
_Fin.usnam, //User Name (acdoca/acdocp.usnam)
_Fin.timestamp, //UTC-timestamp (acdoca/cooi.timestamp)
_Fin.ktopl, //Chart of Accounts (acdoca/acdocp.ktopl)
_Fin.ebeln, //Purchasing Document (acdoca.ebeln, cooi.refbn = ebeln)
_Fin.ebelp, //Purchasing Document Item (acdoca.ebelp, cooi.rfpos = ebelp)
_Fin.sgtxt, //Item Text (acdoca/acdocp/cooi.sgtxt)
_Fin.matnr, //Material (acdoca/acdocp/cooi.matnr)
_Fin.werks, //Plant (acdoca/acdocp.werks)
_Fin.lifnr, //Vendor (acdoca/cooi.lifnr)
_Fin.kunnr, //Customer (acdoca/acdocp.kunnr)
_Fin.koart, //Account Type (acdoca.koart)
_Fin.mwskz, //Tax on sales/purchases code (acdoca.mwskz)
_Fin.hbkid, //Short key for a house bank (acdoca.hbkid)
_Fin.hktid, //ID for account details (acdoca.hktid)
_Fin.xopvw, //Indicator: Open Item Management? (acdoca.xopvw)
_Fin.augdt, //Clearing Date (acdoca.augdt)
_Fin.augbl, //Document Number of the Clearing Document (acdoca.augbl)
_Fin.auggj, //Fiscal Year of Clearing Document (acdoca.auggj)
_Fin.anln1, //Main Asset Number (acdoca.anln1)
_Fin.anln2, //Asset Subnumber (acdoca.anln2)
_Fin.anlgr, //Group Asset (acdoca.anlgr)
_Fin.anlgr2, //Subnumber of Group Asset (acdoca.anlgr2)
_Fin.anlkl, //Asset Class (acdoca.anlkl)
_Fin.bwtar, //Valuation Type (acdoca.bwtar)
_Fin.bwkey, //Valuation area (acdoca.bwkey)
_Fin.objnr, //Object number (acdoca/acdocp/cooi.objnr)
_Fin.accas, //Account Assignment (acdoca.accas)
_Fin.accasty, //Object Type (acdoca/acdocp.accasty)
_Fin.lstar, //Activity Type (acdoca/acdocp.lstar)
_Fin.aufnr, //Order Number (acdoca/acdocp/ekkn.aufnr)
_Fin.autyp, //Order category (acdoca.autyp)
_Fin.pspnr as WBS_ElementInternalID, //WBS-element, NUMC-8 (acdoca/acdocp/ekkn.psp_pnr)
_Fin.nplnr, //Network Number (acdoca.nplnr)
_Fin.nplnr_vorgn, //Network activity (acdoca.nplnr_vorgn)
_Fin.paccas, //Partner Account Assignment (acdoca.paccas)
_Fin.paccasty, //Partner Object Type (acdoca/acdocp.paccasty)
_Fin.matkl, //Product Sold Group (acdoca/acdocp/cooi.matkl)

/--Fields only in table Plan ACDOCP
_Fin.reqtsn, //Request Transaction Sequence Number (acdocp.reqtsn)
_Fin.datapakid, //Data packet number (acdocp.datapakid)
_Fin.record, //Data record number (acdocp.record)
_Fin.category, //Category (acdocp.category)

/--Fields from view Commitments ZB_PUR_COOI
_Fin.gesmng, //Planned Quantity (cooi.gesmng, unit: cooi.meinh)
_Fin.meinh_cooi, //Unit of Measure (cooi.meinh)
_Fin.megbtr, //Total Quantity (cooi.megbtr, unit: cooi.meinh)
_Fin.orgwtk, //Planned Value (cooi.orgwtk, currency: tka01.waers)
_Fin.wkgbtr, //Total Value (cooi.wkgbtr, currency: tka01.waers)
_Fin.loekz_cooi, //Deletion indicator in purchasing document (cooi.loekz)
_Fin.tka01_cur, //Currency Key (tka01.waers)

/--Creation Date determined via different methods
_Fin.zcpudt, //Creation Date (acdoca.timestamp/acdocp.reqtsn/cooi.bldat)

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/--Generic counter
    _Fin.Counter,                                //Generic counter for records in table/view

/--Time characteristics from view I_CalendarDate based on Posting Date (acdoca/acdocp.budat) and Expected Debit Date (cooi.budat)
    _Calendar.YearWeek,                          //Year Week (scal_tt_date.yearweek)
    _Calendar.YearMonth,                        //Year Month (scal_tt_date.yearmonth)
    _Calendar.YearQuarter,                     //Year Quarter (scal_tt_date.yearquarter)
    _Calendar.CalendarYear,                    //Calendar Year (scal_tt_date.calendaryear)
    _Calendar.CalendarMonth,                   //Calendar Month (scal_tt_date.calendarmonth)

/--Fields from view I_WBSElementBasicData
    _Wbs.WBSElement,                          //WBS-element, CHAR-24 (prps.posid)
    _Wbs.ProjectInternalID,                    //Project, NUMC-8 (prps.pspci = proj.pspnr)
    _Wbs._Project.Project,                     //Project, CHAR-24 (proj.pspid)
    _Wbs.WBSElementExternalID,                //WBS-element with dots (prps.posid_edit)
    _Wbs.WBSDescription,                      //WBS-element description (prps.post1)
    _Wbs.CompanyCode as WBSElement_CompanyCode, //Company Code of WBS-element (prps.pbukr)
    _Wbs.ProjectType,                          //Project Type (prps.prart)

/--Fields from view ZB_PS_AFVC_CAUFV
    _Nwa.ltxa1 as NplnrVorgnText,              //Network Activity description (afvc.ltxa1)
    _Nwa.posid as WBSElementNwa,              //WBS-element of Network Activity (prps.posid <- afvc.projn)

/--Fields from view ZA_FI_RACCT_HIER_PAR, hierarchy 'NS00'
    _GlHier(p_versn:'NS00').stufe as ergsl_stufe, //Financial Statement Item Hierarchy Level (fagl_01lpc.stufe)
    _GlHier(p_versn:'NS00').ergsl_lev00,         //Financial Statement Item (fagl_01lzc.ergsl) level 0
    _GlHier(p_versn:'NS00').ergsl_lev01,         //Financial Statement Item (fagl_01lzc.ergsl) level 1
    _GlHier(p_versn:'NS00').ergsl_lev02,         //Financial Statement Item (fagl_01lzc.ergsl) level 2
    _GlHier(p_versn:'NS00').ergsl_lev03,         //Financial Statement Item (fagl_01lzc.ergsl) level 3
    _GlHier(p_versn:'NS00').ergsl_lev04,         //Financial Statement Item (fagl_01lzc.ergsl) level 4
    _GlHier(p_versn:'NS00').ergsl_lev05,         //Financial Statement Item (fagl_01lzc.ergsl) level 5
}

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