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/* Freek Keijzer, myBrand, 17.09.2020
Standard SAP view P_MaterialStockPeriods enhanced with
"PeriodType" = 'P', period based on last full week in month.
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Change-log:
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@EndUserText.label: 'MM: P_MaterialStockPeriods (enhanced)'
@AbapCatalog.sqlViewName: 'ZPMATSTOCKPERIDS'

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

define view ZP_P_MaterialStockPeriods
with parameters
    P_StartDate : vdm_v_start_date,
    P_EndDate   : vdm_v_end_date
as
    // Fiscal Year Period
    select from I_FiscalCalendarDate as fc
        inner join P_MaterialStockFYVariant as fv on fc.FiscalYearVariant = fv.FiscalYearVariant
{
    key 'F' as PeriodType,
    key fc.FiscalYearVariant as FiscalYearVariant,
    key fc.FiscalYearPeriod as YearPeriod,
    fc.FiscalPeriodStartDate as StartDate,
    fc.FiscalPeriodEndDate as EndDate
}
where
    fc.FiscalPeriodEndDate >= :P_StartDate
    and fc.FiscalPeriodStartDate <= :P_EndDate
group by
    fc.FiscalYearVariant,
    fc.FiscalYearPeriod,
    fc.FiscalPeriodStartDate,
    fc.FiscalPeriodEndDate

union all

// Calendar Year
select from I_SAPClient as sc
    inner join I_CalendarDate as cd on sc.LogicalSystem = ''
        or sc.LogicalSystem <> '' //dummy "on" condition
{
    key 'Y' as PeriodType,
    key ' ' as FiscalYearVariant,
    key concat(cd.CalendarYear, '000') as YearPeriod,
    min(cd.CalendarDate) as StartDate,
    max(cd.CalendarDate) as EndDate
}
where
    cd.CalendarDate >= :P_StartDate
    and cd.CalendarDate <= :P_EndDate
group by
    cd.CalendarYear

union all

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// Calendar Quarter
select from I_SAPClient as sc
inner join I_CalendarDate as cd on sc.LogicalSystem = ''
or sc.LogicalSystem <> '' //dummy "on" condition

{
key 'Q' as PeriodType,
key '' as FiscalYearVariant,
key concat(cd.CalendarYear, concat('00', cd.CalendarQuarter)) as YearPeriod,
min(cd.CalendarDate) as StartDate,
max(cd.CalendarDate) as EndDate
}
where
cd.CalendarDate >= :P_StartDate
and cd.CalendarDate <= :P_EndDate
group by
cd.CalendarYear,
cd.CalendarQuarter

union all

// Calendar Month
select from I_SAPClient as sc
inner join I_CalendarDate as cd on sc.LogicalSystem = '' //dummy "on" condition
or sc.LogicalSystem <> ''

{
key 'M' as PeriodType,
key '' as FiscalYearVariant,
key concat(cd.CalendarYear, concat('0', cd.CalendarMonth)) as YearPeriod,
min(cd.CalendarDate) as StartDate,
max(cd.CalendarDate) as EndDate
}
where
cd.CalendarDate >= :P_StartDate
and cd.CalendarDate <= :P_EndDate
group by
cd.CalendarYear,
cd.CalendarMonth

union all

// Calendar Week
select from I_SAPClient as sc
inner join I_CalendarDate as cd on sc.LogicalSystem = '' //dummy "on" condition
or sc.LogicalSystem <> ''

{
key 'W' as PeriodType,
key '' as FiscalYearVariant,
key concat(substring(cd.YearWeek,1,4),concat('0', cd.CalendarWeek)) as YearPeriod,
min(cd.CalendarDate) as StartDate,
max(cd.CalendarDate) as EndDate
}
where
cd.CalendarDate >= :P_StartDate
and cd.CalendarDate <= :P_EndDate
group by
cd.CalendarWeek,
cd.YearWeek

union all

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// Calendar Day
select from I_SAPClient      as sc
  inner join I_CalendarDate as cd on sc.LogicalSystem = '' //dummy "on" condition
                                or sc.LogicalSystem <> ''

{
  key 'D'                                as PeriodType,
  key ' '                                as FiscalYearVariant,
  key concat(cd.CalendarYear, cd.CalendarDayOfYear) as YearPeriod,
  min(cd.CalendarDate)                          as StartDate,
  max(cd.CalendarDate)                          as EndDate
}
where
  cd.CalendarDate >= :P_StartDate
  and cd.CalendarDate <= :P_EndDate
group by
  cd.CalendarYear,
  cd.CalendarDayOfYear

//-----
//-----Start of custom enhancement, part 1/1
//-----

union all

// Period based on last full week in month
select from I_SAPClient      as sc
  inner join ZP_CA_DATE_PLFWIM as cd on sc.LogicalSystem = '' //dummy "on" condition
                                or sc.LogicalSystem <> ''

{
  key 'P'                                as PeriodType,
  key ' '                                as FiscalYearVariant,
  key concat(left(cd.YearWeekPLFWIM,4), concat('0',right(cd.YearWeekPLFWIM,2))) as YearPeriod,
  min(cd.CalendarDate)                          as StartDate,
  max(cd.CalendarDate)                          as EndDate
}
where
  cd.CalendarDate >= :P_StartDate
  and cd.CalendarDate <= :P_EndDate
group by
  cd.YearWeekPLFWIM
//-----
//-----End of custom enhancement, part 1/1
//-----

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