```abap
/* Freek Keijzer, myBrand, 17.01.2021
Cube-view for time recording data.
Business requirement: user-story 23456

Layered structure of CDS-views:
  ZC_CA_TimeSheetRecord
  |- I_TimeSheetRecord
  |  |- catsdb
  |  |- E_TimeSheetRecord
  |  |  |- catsdb
  |- I_CostCenter
  |  |- csks
  |  |- ...
  |- I_CalendarDate
  |  |- scal_tt_date
  |  |- I_YearMonth
  |  |  |- scal_tt_month
  |  |  |- scal_tt_year
  |- I_WorkforcePerson
     |- I_BusinessPartner
     |  |- but000
     |  |- ...
     |- I_HrRelation
        |- hrp1001
        |- ...
---------------------------------------------------------
Change-log:
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---------------------------------------------------------*/
@EndUserText.label: 'CA: Time Recording (cube)'
@AbapCatalog.sqlViewName: 'ZCCATIMESHEETREC'

@VDM.viewType: #COMPOSITE
@Analytics.dataCategory: #CUBE
@AccessControl.authorizationCheck: #CHECK
@AbapCatalog.compiler.compareFilter: true
@DataAging.noAgingRestriction: true
@Search.searchable: false

define view ZC_CA_TimeSheetRecord as select from I_TimeSheetRecord
  association[0..*] to I_CostCenter as _I_CostCenter_1
    on _I_CostCenter_1.ControllingArea = I_TimeSheetRecord.ControllingArea and
       _I_CostCenter_1.CostCenter      = I_TimeSheetRecord.SenderCostCenter
  association[0..1] to I_CalendarDate as _I_CalendarDate_2
    on _I_CalendarDate_2.CalendarDate = I_TimeSheetRecord.TimeSheetDate
  association[0..*] to I_WorkforcePerson as _I_WorkforcePerson_3
    on _I_WorkforcePerson_3.PersonExternalID = I_TimeSheetRecord.PersonWorkAgreement
{
//--Characteristics, key fields
key I_TimeSheetRecord.TimeSheetRecord,        //Counter for Records in Time Recording (catsdb.counter)

//--Key figures, currencies, units
```

```abap
    @Semantics.quantity.unitOfMeasure: 'UnitOfMeasure'
    @Aggregation.default: #SUM
    I_TimeSheetRecord.RecordedQuantity,            //Time Sheet: Number, Unit of Measure (catsdb.catsquantity)
    @Semantics.unitOfMeasure: true
    I_TimeSheetRecord.UnitOfMeasure,               //Unit of Measurement (catsdb.unit)

//--Characteristics, non-key fields
    I_TimeSheetRecord.PersonWorkAgreement,         //Personnel Number (catsdb.pernr)
    I_TimeSheetRecord.TimeSheetDate,               //Date (catsdb.workdate)
    @ObjectModel.foreignKey.association: '_I_CostCenter_1'
    I_TimeSheetRecord.SenderCostCenter,            //Sender Cost Center (catsdb.skostl)
    I_TimeSheetRecord.ControllingArea,             //Controlling Area (catsdb.kokrs)

//--Fields via associations
    @Semantics.calendar.yearMonth: true
    _I_CalendarDate_2.YearMonth,                   //Year Month (scal_tt_date.yearmonth <- catsdb.workdate)
    _I_WorkforcePerson_3.PersonFullName,           //Full Name (but000.name1_text <- catsdb.pernr)

//--Associations to be passed on to the query
    _I_CostCenter_1
}
```