TAX SEARCH

It is verified in the related invoice of each line 21 to know if it has taxes or not

//Search the Taxes node within each Concept of the following path:Element nodeConcepts = (Element) XPath.selectSingleNode(document, "/cfdi:Comprobante/cfdi:Conceptos");

//If there are Transferred or Withholding taxes, they are created as objects (for each concept)

      If Tax = "002" the object must be created and added to the list

//[To validate] If withholding taxes exist [Line21A]

      They are included

//[To validate] If transferred taxes exist [Line21B]

      They are included according to their Rate or Due

            Exempt

            0.000000

            0.080000

            0.160000

If there are taxes on the invoice:

      Then:

            line 21: TaxObject = "02"

      Otherwise:

            line 21: TaxObject = "01" with option to be "03"

ACCUMULATOR CREATION

Accumulator creation: Withholding Type

Accumulator creation: Transferred Type

Cycle Payment : Payments

      //Within each payment

      boolean applyChangeCurrencyRDToP = false;

      BigDecimal exchangeRateP = line20.getCp_20_7_ExchangeRateP() != null ? line20.getCp_20_7_ExchangeRateP() : new BigDecimal("1");

Cycle RelatedDocument : RelatedDocumentsList

    //It is instantiated again applyChangeCurrencyRDToP = false;

    BigDecimal equivalenceRd = null;

    //Validation: ChangeCurrency RelatedDocument to Payment Currency

    If Payment Currency is MXN:

        Then:

            ExchangeRate = null [1 forced]

            If RelatedDocument Currency is MXN:

                Then:

                    EquivalenceRD = null [1 forced]

                Otherwise:

                    applyChangeCurrencyRDToP = true;

                    equivalenceRD = exchangeRateP.divide(exchangeRateRd, 6, RoundingMode.HALF_UP);

        Otherwise:

            If ExchangeRateP == null —> ExchangeRateP = 1

            If RelatedDocument Currency = MXN

                Then: EquivalenceDR = ExchangeRateP

            Otherwise:

                applyChangeCurrencyRDToP = true;

                equivalenceRd = exchangeRateP.divide(exchangeRateRd, 6, RoundingMode.HALF_UP);

        //Review of lines 21A if they exist

        If applyChangeCurrencyRDToP

            Then:

                //The Amount is converted to the currencyPayment using the equivalenceRd

                Converted withholding tax is accumulated. Tax = 002

            Otherwise:

                Withholding taxes are accumulated. Tax = 002

//Review of lines 21B if they exist

Verify transferred taxes. Taxes = 002

If applyChangeCurrencyRDToP

Then:

//The Amount is converted to the currencyPayment using the equivalenceRd

Converted transferred taxes are accumulated. TypeOfFactor = "Exempt"

Otherwise:

Transferred taxes are accumulated. TypeOfFactor = "Exempt"

Verify transferred taxes. TypeOfFactor = "Rate"

If applyChangeCurrencyRDToP

Then:

//The Amount is converted to the currencyPayment using the equivalenceRd

They are accumulated according to their Rate or Due

*0.000000

*0.080000

*0.160000

Otherwise:

They are accumulated according to their Rate or Due

*0.000000

*0.080000

*0.160000

Line 20A creation

boolean MakeChangeToPesos = false;

BigDecimal cp_20_7_ExchangeRateP = null;

If lines20.get(0).getCp_20_6_CurrencyP().equals("MXN"))

Then:

//Nothing is changed

Otherwise:

    MakeChangeToPesos = true;

    cp_20_7_ExchangeRateP = lines20.get(0).getCp_20_7_ExchangeRateP()

VALUE ASSIGNMENT LINE 20A

//WITHHOLDING TAXES

If AccumulationLines22 != null

    If MakeChangeToPesos

        Then:

            //Multiply exchangeRateP by the accumulator

            line20AWithholding = AccumulationLines22Converted;

        Otherwise:

            line20AWithholding = AccumulationLines22;

//TRANSFERRED TAXES

If AccumulationLines23Exempt != null

    If MakeChangeToPesos

        Then:

            //Multiply exchangeRateP by the accumulator

            line20ATransferredExempt = AccumulationLines23ExemptConverted;

        Otherwise:

            line20ATransferredExempt = AccumulationLines23Exempt;

If AccumulationLines2300 != null

    If MakeChangeToPesos

        Then:

            //Multiply exchangeRateP by the accumulator

            line20A00Transferred = AccumulationLines2300Converted;

        Otherwise:

line20A00Transferred = AccumulationLines2300;

If AccumulationLines2308 != null

 If MakeChangeToPesos

  Then:

   //Multiply exchangeRateP by the accumulator

   line20A08Transferred = AccumulationLines2308Converted;

  Otherwise:

   line20A08Transferred = AccumulationLines2308;

If AccumulationLines2316 != null

 If MakeChangeToPesos

  Then:

   //Multiply exchangeRateP by the accumulator

   line20A16Transferred = AccumulationLines2316Converted;

  Otherwise:

   line20A16Transferred = AccumulationLines2316;

LINE CREATION: PAYMENT RECEIPT 2.0

//THE CREATED OBJECTS ARE SEARCHED AND THEY ARE MAPPED IN THE TXT