Sub Clear()

ThisWorkbook.Sheets("MasterData").Activate

ActiveSheet.Range("A:XFD").Select

Selection.ClearContents

Selection.ClearFormats

ThisWorkbook.Sheets("Assets").Activate

ActiveSheet.Range("A:XFD").Select

Selection.ClearContents

Selection.ClearFormats

ThisWorkbook.Sheets("AccountTransactions").Activate

ActiveSheet.Range("A:XFD").Select

Selection.ClearContents

Selection.ClearFormats

ThisWorkbook.Sheets("CashTransactions").Activate

ActiveSheet.Range("A:XFD").Select

Selection.ClearContents

Selection.ClearFormats

ThisWorkbook.Sheets("FX").Activate

ActiveSheet.Range("A:XFD").Select

Selection.ClearContents

Selection.ClearFormats

'ThisWorkbook.Sheets("Performances").Activate

'ActiveSheet.Range("A:XFD").Select

'Selection.ClearContents

'Selection.ClearFormats

ThisWorkbook.Sheets("EOMAssets").Activate

ActiveSheet.Range("A:XFD").Select

Selection.ClearContents

Selection.ClearFormats

ThisWorkbook.Sheets("IMVAssets").Activate

ActiveSheet.Range("A:XFD").Select

Selection.ClearContents

Selection.ClearFormats

ThisWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Range("A:XFD").Select

Selection.ClearContents

Selection.ClearFormats

ThisWorkbook.Sheets("CustodianAuto").Activate

ThisWorkbook.Save

End Sub

Sub All\_Custodians()

Dim WB As Workbook

Dim ws As Worksheet

Set WB = ThisWorkbook

For Each ws In WB.Worksheets

If ws.Visible = False Then

ws.Visible = True

End If

Next

Call Clear

Call Clear

Call Clear

custodian = ThisWorkbook.Sheets("CustodianAuto").Cells(4, 3).Value

If custodian = "CRIMS CTR/DTR" Then

Call CRIMS\_Auto\_CTR\_DTR

End If

'Call Clear

'Call Clear

'Call Clear

'For Each ws In WB.Worksheets

' If ws.Name <> "CustodianAuto" Then

' If ws.Visible = True Then

' ws.Visible = False

' End If

' End If

'Next

ThisWorkbook.Sheets("References").Visible = False

MsgBox "Thank you!"

End Sub

''''''''''''''''''' New Custodian Started '''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

'''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''''

Sub CRIMS\_Auto\_CTR\_DTR()

Application.ScreenUpdating = False

Application.EnableEvents = False

MsgBox "Keep your system idle while the Macro is running."

Dim strFileToOpen As String

strFileToOpen = Application.GetOpenFilename \_

(Title:="Please select CRIMS Asset File to update in the template", \_

FileFilter:="Excel Files \*.xls\* (\*.xls\*),")

Set Assets = Workbooks.Open(strFileToOpen)

Dim strFileToOpen3 As String

strFileToOpen3 = Application.GetOpenFilename \_

(Title:="Please select CRIMS Account Transaction File to update in the template", \_

FileFilter:="Excel Files \*.xls\* (\*.xls\*),")

Set transactionsAccount = Workbooks.Open(strFileToOpen3)

Dim strFileToOpen1 As String

strFileToOpen1 = Application.GetOpenFilename \_

(Title:="Please select CRIMS Cash Transaction File to update in the template", \_

FileFilter:="Excel Files \*.xls\* (\*.xls\*),")

Set transactionsCash = Workbooks.Open(strFileToOpen1)

Dim strFileToOpen4 As String

strFileToOpen4 = Application.GetOpenFilename \_

(Title:="Please select CRIMS FX File to update in the template", \_

FileFilter:="Excel Files \*.xls\* (\*.xls\*),")

Set fx = Workbooks.Open(strFileToOpen4)

'Dim strFileToOpen3 As String

'strFileToOpen3 = Application.GetOpenFilename \_

'(Title:="Please select CRIMS Performance File to update in the template", \_

'FileFilter:="Excel Files \*.xls\* (\*.xls\*),")

'Set performances = Workbooks.Open(strFileToOpen3, Password:="MercerNA!")

Dim strFileToOpen2 As String

strFileToOpen2 = Application.GetOpenFilename \_

(Title:="Please select Master Data to update in the template", \_

FileFilter:="Excel Files \*.xls\* (\*.xls\*),")

Set clientCustodianAudit\_MD = Workbooks.Open(strFileToOpen2)

MsgBox "Please select the Folder where output csv file to be saved"

Set FldrPicker2 = Application.FileDialog(msoFileDialogFolderPicker)

With FldrPicker2

.Title = "Select The Source Folder"

.AllowMultiSelect = False

If .Show <> -1 Then GoTo NextCode

myPath2 = .SelectedItems(1) & "\"

End With

myPath = myPath2

Assets.Activate

'assets.Sheets("Client Asset Ungrouped").Activate

assetsStartRow = 1

assetsStartCol = 1

assetsLastRow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

assetsLastCol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Range(Cells(assetsStartRow, assetsStartCol), Cells(assetsLastRow, assetsLastCol)).Select

Selection.Copy

Workbooks("DataWizard\_CAN\_PRO.xlsm").Activate

ActiveWorkbook.Sheets("Assets").Activate

ActiveSheet.Cells(1, 1).Activate

'ActiveSheet.Paste

Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks \_

:=False, Transpose:=False

Application.CutCopyMode = False

Assets.Activate

Application.DisplayAlerts = False

ActiveWorkbook.Close

transactionsAccount.Activate

'transactionsAccount.Sheets("Orders for a Trade Date Range").Activate

transactionsAccountStartRow = 1

transactionsAccountStartCol = 1

transactionsAccountLastRow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

transactionsAccountLastCol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Range(Cells(transactionsAccountStartRow, transactionsAccountStartCol), Cells(transactionsAccountLastRow, transactionsAccountLastCol)).Select

Selection.Copy

Workbooks("DataWizard\_CAN\_PRO.xlsm").Activate

ActiveWorkbook.Sheets("AccountTransactions").Activate

ActiveSheet.Cells(1, 1).Activate

'ActiveSheet.Paste

Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks \_

:=False, Transpose:=False

Application.CutCopyMode = False

transactionsAccount.Activate

Application.DisplayAlerts = False

ActiveWorkbook.Close

transactionsCash.Activate

'transactionsCash.Sheets("Orders for a Trade Date Range").Activate

transactionsCashStartRow = 1

transactionsCashStartCol = 1

transactionsCashLastRow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

transactionsCashLastCol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Range(Cells(transactionsCashStartRow, transactionsCashStartCol), Cells(transactionsCashLastRow, transactionsCashLastCol)).Select

Selection.Copy

Workbooks("DataWizard\_CAN\_PRO.xlsm").Activate

ActiveWorkbook.Sheets("CashTransactions").Activate

ActiveSheet.Cells(1, 1).Activate

'ActiveSheet.Paste

Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks \_

:=False, Transpose:=False

Application.CutCopyMode = False

transactionsCash.Activate

Application.DisplayAlerts = False

ActiveWorkbook.Close

fx.Activate

'fx.Sheets("Orders for a Trade Date Range").Activate

fxStartRow = 1

fxStartCol = 1

fxLastRow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

fxLastCol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Range(Cells(fxStartRow, fxStartCol), Cells(fxLastRow, fxLastCol)).Select

Selection.Copy

Workbooks("DataWizard\_CAN\_PRO.xlsm").Activate

ActiveWorkbook.Sheets("FX").Activate

ActiveSheet.Cells(1, 1).Activate

'ActiveSheet.Paste

Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks \_

:=False, Transpose:=False

Application.CutCopyMode = False

fx.Activate

Application.DisplayAlerts = False

ActiveWorkbook.Close

'performances.Activate

''transactions.Sheets("Orders for a Trade Date Range").Activate

'

'performancesStartRow = 1

'performancesStartCol = 1

'performancesLastRow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

'performancesLastCol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

'

'ActiveSheet.Range(Cells(performancesStartRow, performancesStartCol), Cells(performancesLastRow, performancesLastCol)).Select

'Selection.Copy

'

'Workbooks("DataWizard\_CAN\_PRO.xlsm").Activate

'ActiveWorkbook.Sheets("Performances").Activate

'ActiveSheet.Cells(1, 1).Activate

''ActiveSheet.Paste

'Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks \_

' :=False, Transpose:=False

'Application.CutCopyMode = False

'

'performances.Activate

'

'Application.DisplayAlerts = False

'ActiveWorkbook.Close

clientCustodianAudit\_MD.Activate

'clientCustodianAudit\_MD.Sheets("Sheet1").Activate

clientCustodianAudit\_MDStartRow = 2

clientCustodianAudit\_MDStartCol = 1

clientCustodianAudit\_MDLastRow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

clientCustodianAudit\_MDLastCol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Range(Cells(clientCustodianAudit\_MDStartRow, clientCustodianAudit\_MDStartCol), Cells(clientCustodianAudit\_MDLastRow, clientCustodianAudit\_MDLastCol)).Select

Selection.Copy

Workbooks("DataWizard\_CAN\_PRO.xlsm").Activate

ActiveWorkbook.Sheets("MasterData").Activate

ActiveSheet.Cells(1, 1).Activate

'ActiveSheet.Paste

Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks \_

:=False, Transpose:=False

Application.CutCopyMode = False

clientCustodianAudit\_MD.Activate

Application.DisplayAlerts = False

ActiveWorkbook.Close

Workbooks("DataWizard\_CAN\_PRO.xlsm").Activate

ActiveWorkbook.Sheets("MasterData").Activate

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

headingRow = 1

'custodianNameColumn = getCustName(headingRow)

'Columns(custodianNameColumn).Select

'Selection.AutoFilter

'ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=1, Criteria1:="<>Mercer DS"

'Do

' ActiveCell.Offset(1, 0).Select

' If ActiveCell.EntireRow.Hidden = False Then

' Exit Do 'found a visible cell

' End If

'Loop

'r = ActiveCell.Row

'ActiveSheet.Cells(r, 1).Select

'Range(Selection, Selection.End(xlDown)).Select

'Selection.EntireRow.Select

'Selection.Delete

'Selection.AutoFilter

'

'activeInactiveColumn = getActiveInactive\_Schwab\_SMA(headingRow)

'Columns(activeInactiveColumn).Select

'Selection.AutoFilter

'ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=1, Criteria1:="=Inactive"

'Do

' ActiveCell.Offset(1, 0).Select

' If ActiveCell.EntireRow.Hidden = False Then

' Exit Do 'found a visible cell

' End If

'Loop

'r = ActiveCell.Row

'ActiveSheet.Cells(r, 1).Select

'Range(Selection, Selection.End(xlDown)).Select

'Selection.EntireRow.Select

'Selection.Delete

'Selection.AutoFilter

'

ActiveWorkbook.Sheets("MasterData").Activate

Columns("A:A").Select

Selection.Insert Shift:=xlToRight

ActiveSheet.Cells(1, 1).Select

ActiveSheet.Cells(1, 1).Value = "CustAcct+CustodianSecurityID"

ActiveSheet.Cells(2, 1).Value = "=CONCATENATE(RC[29],RC[30])"

ActiveWorkbook.Save

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(lrow, 1).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveWorkbook.Sheets("Assets").Activate

Columns("A:A").Select

Selection.Insert Shift:=xlToRight

Selection.Insert Shift:=xlToRight

Selection.Insert Shift:=xlToRight

''Market Date conversion to number start

ActiveSheet.Cells(1, 3).Select

ActiveSheet.Cells(1, 3).Value = "MARKET\_DATE\_Number"

'ActiveSheet.Cells(2, 3).Value = "=DATEVALUE(RC[1])"

ActiveSheet.Cells(2, 3).Value = "=RC[1]"

ActiveWorkbook.Save

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(lrow, 3).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

''Market Date conversion to number end

ActiveSheet.Cells(1, 1).Select

ActiveSheet.Cells(1, 1).Value = "Plan Code+Ext Sec ID+MARKET\_DATE"

ActiveSheet.Cells(2, 1).Value = "=CONCATENATE(RC[4],RC[6],RC[3])"

ActiveSheet.Cells(1, 2).Select

ActiveSheet.Cells(1, 2).Value = "Plan Code+Fund Code"

ActiveSheet.Cells(2, 2).Value = "=CONCATENATE(RC[3],RC[5])"

Cells(lrow, 2).Select

Range(Selection, Selection.End(xlUp)).Select

Range(Selection, Selection.End(xlToLeft)).Select

Selection.FillDown

ActiveWorkbook.Sheets("AccountTransactions").Activate

Columns("A:A").Select

Selection.Insert Shift:=xlToRight

Selection.Insert Shift:=xlToRight

ActiveSheet.Cells(1, 1).Select

ActiveSheet.Cells(1, 1).Value = "Plan Code+Fund Code+Trade Date"

ActiveSheet.Cells(2, 1).Value = "=CONCATENATE(RC[6],RC[5],RC[16])"

ActiveSheet.Cells(1, 2).Select

ActiveSheet.Cells(1, 2).Value = "Plan Code+Fund Code"

ActiveSheet.Cells(2, 2).Value = "=CONCATENATE(RC[5],RC[4])"

ActiveWorkbook.Save

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(lrow, 2).Select

Range(Selection, Selection.End(xlUp)).Select

Range(Selection, Selection.End(xlToLeft)).Select

Selection.FillDown

ActiveWorkbook.Sheets("CashTransactions").Activate

Columns("A:A").Select

Selection.Insert Shift:=xlToRight

Selection.Insert Shift:=xlToRight

ActiveSheet.Cells(1, 1).Select

ActiveSheet.Cells(1, 1).Value = "Plan Code+Trade Date"

ActiveSheet.Cells(2, 1).Value = "=CONCATENATE(RC[3],RC[2])"

ActiveSheet.Cells(1, 2).Select

ActiveSheet.Cells(1, 2).Value = "Plan Code+Currency"

ActiveSheet.Cells(2, 2).Value = "=CONCATENATE(RC[2],IF(RC[4]=""Canadian Dollar"",""CAD"",IF(RC[4]=""US Dollar"",""USD"","""")))"

ActiveWorkbook.Save

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(lrow, 2).Select

Range(Selection, Selection.End(xlUp)).Select

Range(Selection, Selection.End(xlToLeft)).Select

Selection.FillDown

''Removal of calceled and ready Transactios start

ActiveWorkbook.Sheets("AccountTransactions").Activate

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

headingRow = 1

statusColumn = getStatusInTransactions(headingRow)

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).Select

Selection.AutoFilter

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=statusColumn, Criteria1:="<>Acct"

ActiveSheet.Cells(1, 1).Select

Do

ActiveCell.Offset(1, 0).Select

If ActiveCell.EntireRow.Hidden = False Then

Exit Do 'found a visible cell

End If

Loop

r = ActiveCell.Row

ActiveSheet.Cells(r, 1).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.EntireRow.Select

Selection.Delete

Selection.AutoFilter

''Removal of calceled and ready Transactios end

ActiveWorkbook.Sheets("Assets").Activate

ActiveWorkbook.Save

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(1, lcol + 1).Select

ActiveSheet.Cells(1, lcol + 1).Value = "PARIS ID"

ActiveSheet.Cells(2, lcol + 1).Value = "=Vlookup(RC[-8],'MasterData'!C[-9]:C[-4],6,0)"

Cells(lrow, lcol + 1).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveWorkbook.Sheets("AccountTransactions").Activate

ActiveWorkbook.Save

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(1, lcol + 1).Select

ActiveSheet.Cells(1, lcol + 1).Value = "PARIS ID"

ActiveSheet.Cells(2, lcol + 1).Value = "=Vlookup(RC[-37],'MasterData'!C[-38]:C[-33],6,0)"

Cells(lrow, lcol + 1).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveWorkbook.Sheets("CashTransactions").Activate

ActiveWorkbook.Save

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(1, lcol + 1).Select

ActiveSheet.Cells(1, lcol + 1).Value = "PARIS ID"

ActiveSheet.Cells(2, lcol + 1).Value = "=Vlookup(RC[-7],'Assets'!C[-7]:C[1],9,0)"

Cells(lrow, lcol + 1).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveWorkbook.Sheets("Assets").Activate

ActiveWorkbook.Save

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(1, lcol + 1).Select

ActiveSheet.Cells(1, lcol + 1).Value = "PARIS ID for IMV"

ActiveSheet.Cells(2, lcol + 1).Value = "=Vlookup(RC[-10],'AccountTransactions'!C[-10]:C[29],39,0)"

Cells(lrow, lcol + 1).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveWorkbook.Sheets("AccountTransactions").Activate

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

Cells(1, lcol + 1).Select

ActiveSheet.Cells(1, lcol + 1).Value = "Absolute Cash Flow"

ActiveSheet.Cells(2, lcol + 1).Value = "=ABS(RC[-29])"

Cells(lrow, lcol + 1).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

''Output for Assets CSV start

ActiveWorkbook.Sheets("Assets").Activate

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

headingRow = 1

parisIdColumn = getParisIdInAssets(headingRow)

marketDateColumn = getMARKET\_DATE\_NumberInAssets(headingRow)

marketValueColumn = getMarketValueInAssets(headingRow)

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).Select

Selection.AutoFilter

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=parisIdColumn, Criteria1:="<>#N/A"

maximumDate = Application.WorksheetFunction.Max(Columns(marketDateColumn))

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=marketDateColumn, Criteria1:=maximumDate

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=marketValueColumn, Criteria1:="<>#N/A"

'ActiveSheet.Cells(1, 1).Select

'Range(Selection, Selection.End(xlDown)).Select

'Selection.EntireRow.Select

Selection.Copy

ActiveWorkbook.Sheets("EOMAssets").Activate

ActiveSheet.Cells(1, 1).Select

ActiveSheet.Paste

'Do

' ActiveCell.Offset(1, 0).Select

' If ActiveCell.EntireRow.Hidden = False Then

' Exit Do 'found a visible cell

' End If

'Loop

r = 2

ActiveSheet.Cells(r, parisIdColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(1, 1).Select

ActiveSheet.Paste

ActiveWorkbook.Sheets("EOMAssets").Activate

ActiveSheet.Cells(r, marketDateColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(1, 4).Select

ActiveSheet.Paste

ActiveWorkbook.Sheets("EOMAssets").Activate

ActiveSheet.Cells(r, marketValueColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(1, 5).Select

ActiveSheet.Paste

ActiveSheet.Cells(1, 2).Value = "TF"

ActiveSheet.Cells(1, 3).Value = "MV"

ActiveWorkbook.Save

lrowOutputforcsv = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcolOutputForCSV = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Cells(lrowOutputforcsv, 2).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveSheet.Cells(lrowOutputforcsv, 3).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

'' Checking if Month End Market Value is not on any other day than EOM. Start

For d = 1 To lrowOutputforcsv

dateVal = ActiveSheet.Cells(d, 4).Value

ActiveSheet.Cells(d, 4).Value = DateSerial(Year(dateVal), Month(dateVal) + 1, 0)

Next

'' Checking if Month End Market Value is not on any other day than EOM. End

ActiveWorkbook.Sheets("Assets").Activate

Selection.AutoFilter

''Output for Assets CSV end

''Output for IMV Assets CSV start

ActiveWorkbook.Sheets("Assets").Activate

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

headingRow = 1

parisIdForIMVColumn = getParisIdForIMVInAssets(headingRow)

marketDateColumn = getMARKET\_DATE\_NumberInAssets(headingRow)

marketValueColumn = getMarketValueInAssets(headingRow)

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).Select

Selection.AutoFilter

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=parisIdForIMVColumn, Criteria1:="<>#N/A"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=marketDateColumn, Criteria1:="<>#N/A"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=marketValueColumn, Criteria1:="<>#N/A"

Selection.Copy

ActiveWorkbook.Sheets("IMVAssets").Activate

ActiveSheet.Cells(1, 1).Select

ActiveSheet.Paste

r = 2

ActiveSheet.Cells(r, parisIdForIMVColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 1).Select

ActiveSheet.Paste

ActiveWorkbook.Sheets("IMVAssets").Activate

ActiveSheet.Cells(r, marketDateColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 4).Select

ActiveSheet.Paste

ActiveWorkbook.Sheets("IMVAssets").Activate

ActiveSheet.Cells(r, marketValueColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 5).Select

ActiveSheet.Paste

ActiveSheet.Cells(lrowOutputforcsv + 1, 2).Value = "TF"

ActiveSheet.Cells(lrowOutputforcsv + 1, 3).Value = "IMV"

ActiveWorkbook.Save

lrowOutputforcsv = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcolOutputForCSV = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Cells(lrowOutputforcsv, 2).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveSheet.Cells(lrowOutputforcsv, 3).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveWorkbook.Sheets("Assets").Activate

Selection.AutoFilter

''Output for IMV Assets CSV end

''Output for Contribution Transactios CSV start

ActiveWorkbook.Sheets("Transactions").Activate

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

headingRow = 1

parisIdInTransactionColumn = getParisIdInTransactions(headingRow)

transactionTypeColumn = getTransactionTypeInTransactions(headingRow)

transactionDateColumn = getTradeDateInTransactions(headingRow)

cashFlowColumn = getAbsoluteCashFlowInTransactions(headingRow)

statusColumn = getStatusInTransactions(headingRow)

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).Select

Selection.AutoFilter

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=parisIdInTransactionColumn, Criteria1:="<>#N/A"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=transactionTypeColumn, Criteria1:="=Buy"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=transactionDateColumn, Criteria1:="<>"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=cashFlowColumn, Criteria1:="<>#N/A"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=statusColumn, Criteria1:="=Acct"

'Selection.Copy

'ActiveWorkbook.Sheets("IMVAssets").Activate

'ActiveSheet.Cells(1, 1).Select

'ActiveSheet.Paste

ActiveSheet.Cells(1, 1).Select

Do

ActiveCell.Offset(1, 0).Select

If ActiveCell.EntireRow.Hidden = False Then

Exit Do 'found a visible cell

End If

Loop

r = ActiveCell.Row

ActiveSheet.Cells(r, parisIdInTransactionColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 1).Select

ActiveSheet.Paste

ActiveWorkbook.Sheets("Transactions").Activate

ActiveSheet.Cells(r, transactionDateColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 4).Select

ActiveSheet.Paste

ActiveWorkbook.Sheets("Transactions").Activate

ActiveSheet.Cells(r, cashFlowColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 5).Select

ActiveSheet.Paste

ActiveSheet.Cells(lrowOutputforcsv + 1, 2).Value = "TF"

ActiveSheet.Cells(lrowOutputforcsv + 1, 3).Value = "CTR"

ActiveWorkbook.Save

lrowOutputforcsv = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcolOutputForCSV = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Cells(lrowOutputforcsv, 2).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveSheet.Cells(lrowOutputforcsv, 3).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveWorkbook.Sheets("Transactions").Activate

Selection.AutoFilter

''Output for Contribution Transactios CSV end

''Output for Distribution Transactios CSV start

ActiveWorkbook.Sheets("Transactions").Activate

lrow = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcol = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

headingRow = 1

parisIdInTransactionColumn = getParisIdInTransactions(headingRow)

transactionTypeColumn = getTransactionTypeInTransactions(headingRow)

transactionDateColumn = getTradeDateInTransactions(headingRow)

cashFlowColumn = getAbsoluteCashFlowInTransactions(headingRow)

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).Select

Selection.AutoFilter

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=parisIdInTransactionColumn, Criteria1:="<>#N/A"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=transactionTypeColumn, Criteria1:="=Sell"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=transactionDateColumn, Criteria1:="<>"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=cashFlowColumn, Criteria1:="<>#N/A"

ActiveSheet.Range(Cells(1, 1), Cells(lrow, lcol)).AutoFilter Field:=statusColumn, Criteria1:="=Acct"

'Selection.Copy

'ActiveWorkbook.Sheets("IMVAssets").Activate

'ActiveSheet.Cells(1, 1).Select

'ActiveSheet.Paste

ActiveSheet.Cells(1, 1).Select

Do

ActiveCell.Offset(1, 0).Select

If ActiveCell.EntireRow.Hidden = False Then

Exit Do 'found a visible cell

End If

Loop

r = ActiveCell.Row

ActiveSheet.Cells(r, parisIdInTransactionColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 1).Select

ActiveSheet.Paste

ActiveWorkbook.Sheets("Transactions").Activate

ActiveSheet.Cells(r, transactionDateColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 4).Select

ActiveSheet.Paste

ActiveWorkbook.Sheets("Transactions").Activate

ActiveSheet.Cells(r, cashFlowColumn).Select

Range(Selection, Selection.End(xlDown)).Select

Selection.Copy

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Cells(lrowOutputforcsv + 1, 5).Select

ActiveSheet.Paste

ActiveSheet.Cells(lrowOutputforcsv + 1, 2).Value = "TF"

ActiveSheet.Cells(lrowOutputforcsv + 1, 3).Value = "DTR"

ActiveWorkbook.Save

lrowOutputforcsv = ActiveSheet.Cells.SpecialCells(xlLastCell).Row

lcolOutputForCSV = ActiveSheet.Cells.SpecialCells(xlLastCell).Column

ActiveSheet.Cells(lrowOutputforcsv, 2).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveSheet.Cells(lrowOutputforcsv, 3).Select

Range(Selection, Selection.End(xlUp)).Select

Selection.FillDown

ActiveWorkbook.Sheets("Transactions").Activate

Selection.AutoFilter

''Output for Distribution Transactios CSV end

''Output For CSV Formatting Start

ActiveWorkbook.Sheets("OutputForCSV").Activate

ActiveSheet.Range(Columns(4), Columns(4)).NumberFormat = "mm/dd/yyyy"

ActiveSheet.Range(Columns(5), Columns(5)).NumberFormat = "###0.00"

''Output For CSV Formatting End

asOfDate = ActiveSheet.Cells(1, 4).Value

asOfDate = Format(asOfDate, "mmddyyyy")

Application.DisplayAlerts = False

ActiveSheet.Copy

ActiveWorkbook.SaveAs Filename:=myPath & ActiveSheet.Name & "\_CRIMS\_CTR\_DTR\_" & asOfDate, FileFormat:=xlCSV, CreateBackup:=True

ActiveWorkbook.Close

MsgBox "Output CSV file created to load in IM"

NextCode:

ResetSettings:

Application.ScreenUpdating = True

Application.EnableEvents = True

End Sub

Public Function getCustName(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "clClientName" Then DataFlag = True

If (InStr(myHeading, "CustName") > 0) Then

getCustName = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getMARKET\_DATE(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "MARKET\_DATE" Then DataFlag = True

If (InStr(myHeading, "MARKET\_DATE") > 0) Then

getMARKET\_DATE = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getParisIdInAssets(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+MARKET\_DATE" Then DataFlag = True

If (InStr(myHeading, "PARIS") > 0 And InStr(myHeading, "ID") > 0) Then

getParisIdInAssets = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getMARKET\_DATE\_NumberInAssets(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+MARKET\_DATE" Then DataFlag = True

If (InStr(myHeading, "MARKET\_DATE\_Number") > 0) Then

getMARKET\_DATE\_NumberInAssets = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getMarketValueInAssets(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+MARKET\_DATE" Then DataFlag = True

If (InStr(myHeading, "Market") > 0 And InStr(myHeading, "Value") > 0) Then

getMarketValueInAssets = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getParisIdForIMVInAssets(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+MARKET\_DATE" Then DataFlag = True

If (InStr(myHeading, "PARIS") > 0 And InStr(myHeading, "ID") > 0 And InStr(myHeading, "for") > 0 And InStr(myHeading, "IMV") > 0) Then

getParisIdForIMVInAssets = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getParisIdInTransactions(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+Trade Date" Then DataFlag = True

If (InStr(myHeading, "PARIS") > 0 And InStr(myHeading, "ID") > 0) Then

getParisIdInTransactions = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getTradeDateInTransactions(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+Trade Date" Then DataFlag = True

If (InStr(myHeading, "Trade") > 0 And InStr(myHeading, "Date") > 0 And myHeading = "Trade Date") Then

getTradeDateInTransactions = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getTransactionTypeInTransactions(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+Trade Date" Then DataFlag = True

If (InStr(myHeading, "Side") > 0) Then

getTransactionTypeInTransactions = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getAbsoluteCashFlowInTransactions(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+Trade Date" Then DataFlag = True

If (InStr(myHeading, "Absolute") > 0 And InStr(myHeading, "Cash") > 0 And InStr(myHeading, "Flow") > 0) Then

getAbsoluteCashFlowInTransactions = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function

Public Function getStatusInTransactions(ByVal headingsRow As Integer)

DataFlag = False

getAssetClass = 0

MyCol = 1

MyRow = headingsRow

myHeading = Cells(MyRow, MyCol).Value

Do While MyCol < 1000 Or DataFlag = False

myHeading = Cells(MyRow, MyCol).Value

If myHeading = "Plan Code+Fund Code+Trade Date" Then DataFlag = True

If (InStr(myHeading, "Status") > 0 And myHeading = "Status") Then

getStatusInTransactions = MyCol

Exit Do

Else

MyCol = MyCol + 1

End If

Loop

End Function