Option Explicit

'Compare Release SP and Tracker based on certain cols

Const srcSheet = "C:\Users\vv20289\Desktop\SP Data 10-Oct-18.xlsx"

Const trackerSheet = "C:\Users\vv20289\Desktop\Asia EMEA Tracker Master.xlsm"

Const rel = "R1"

Public lastRow As Integer

Public lastCol As Integer

Public col As Integer

Sub CompareTeamRelSheet()

Dim oppm(500, 10) As String

Dim r As Integer

Dim c As Integer

Dim o As Integer

Dim x As Integer

Dim y As Integer

Dim soppmCol As Integer

Dim sstageCol As Integer

Dim sgroomCol As Integer

Dim sfrCol As Integer

Dim sleadCol As Integer

Dim sbaCol As Integer

Dim toppmCol As Integer

Dim tstatusCol As Integer

Dim tgroomCol As Integer

Dim tfrCol As Integer

Dim tleadCol As Integer

Dim tbaCol As Integer

Dim lastChar As Integer

Dim srcFile As String

Dim trackerFile As String

Dim res As Range

Dim oppmrange As Range

Dim rng As Range

Dim dWb As Workbook

Dim tWb As Workbook

Debug.Print "Program Started"

Debug.Print "==============="

'Check if the input files exists

If Dir(srcSheet) = vbNullString Then

MsgBox "Source sheet not found"

End

End If

If Dir(trackerSheet) = vbNullString Then

MsgBox "Tracker sheet not found"

End

End If

'Get position of last \

lastChar = InStrRev(srcSheet, "\")

'Get Demand file name

srcFile = Mid(srcSheet, lastChar + 1)

'Get position of last \

lastChar = InStrRev(trackerSheet, "\")

'Get Demand file name

trackerFile = Mid(trackerSheet, lastChar + 1)

'Open Demand workbook

On Error Resume Next

Set dWb = Workbooks.Item(srcSheet)

If dWb Is Nothing Then

Workbooks.Open (srcSheet)

End If

'Open Tracker workbook

Set tWb = Workbooks.Item(trackerFile)

If tWb Is Nothing Then

Workbooks.Open (trackerSheet)

End If

'Deactivate screen update

Application.ScreenUpdating = False

'Activate Demand sheet

Workbooks(srcFile).Activate

If ActiveSheet.AutoFilterMode Then

If ActiveSheet.FilterMode Then

ActiveSheet.ShowAllData

End If

ElseIf ActiveSheet.FilterMode Then

ActiveSheet.ShowAllData

End If

'Get last populated row

Call findLastRow

Debug.Print "Source file " & srcFile & " last row - " & lastRow

'Get last populated col

Call findLastCol

Debug.Print "Source file " & srcFile & " last col - " & lastCol

'Get col with heading "OPPM"

soppmCol = findColByName("OPPM ID", lastCol)

Debug.Print "Source file " & srcFile & " OPPM col - " & soppmCol

'Get col with heading "Current Stage"

sstageCol = findColByName("Current Stage", lastCol)

Debug.Print "Source file " & srcFile & " Stage col - " & sstageCol

'Get col with heading "Grooming Target Comp-Date"

sgroomCol = findColByName("Grooming Target Comp-Date", lastCol)

Debug.Print "Source file " & srcFile & " Groom col - " & sgroomCol

'Get col with heading "FR Target Date"

sfrCol = findColByName("FR Target Date", lastCol)

Debug.Print "Source file " & srcFile & " FR col - " & sfrCol

'Get col with heading "Cards-BA SME lead"

sleadCol = findColByName("CARDS - BA SME Lead", lastCol)

Debug.Print "Source file " & srcFile & " SME Lead col - " & sleadCol

'Get col with heading "Cards-BA SME"

sbaCol = findColByName("CARDS - BA SME", lastCol)

Debug.Print "Source file " & srcFile & " SME col - " & sbaCol

o = 1

'Store the oppm / PV in an array

For r = 1 To lastRow

'If Cells(r, se0col) <> 0 Then

oppm(o, 1) = Cells(r, soppmCol) 'OPPM

oppm(o, 2) = Cells(r, sstageCol) 'Stage

oppm(o, 3) = Cells(r, sgroomCol) 'Groom

oppm(o, 4) = Cells(r, sfrCol) 'FR

oppm(o, 5) = Cells(r, sleadCol) 'Lead

oppm(o, 6) = Cells(r, sbaCol) 'BA

o = o + 1

'End If

Next r

Debug.Print "Source file " & srcFile & " input (Cards <> 0) - " & o

Debug.Print " "

'Activate Tracker workbook

Workbooks(trackerFile).Activate

If ActiveSheet.Name <> rel & " 19" Then

MsgBox "Select correct sheet"

Application.ScreenUpdating = True

End

End If

If ActiveSheet.AutoFilterMode Then

If ActiveSheet.FilterMode Then

ActiveSheet.ShowAllData

End If

ElseIf ActiveSheet.FilterMode Then

ActiveSheet.ShowAllData

End If

'Get col with heading "OPPM"

toppmCol = findColByName("OPPM", lastCol)

'Get col with heading "Status"

tstatusCol = findColByName("Status", lastCol)

'Get col with heading "Grooming Complete"

tgroomCol = findColByName("Grooming Complete", lastCol)

'Get col with heading "Draft FR-SIA Delivered Date"

tfrCol = findColByName("Draft FR-SIA Delivered Date", lastCol)

'Get col with heading "Cards BA Lead"

tleadCol = findColByName("Cards BA Lead", lastCol)

'Get col with heading "ECMS BA"

tbaCol = findColByName("ECMS BA", lastCol)

'Find the OPPM # from array in tracker and update/insert

For x = 2 To 500

Set res = Range("b2:b500").Find(oppm(x, 1), LookIn:=xlValues)

If res Is Nothing Then 'OPPM not found in tracker

Debug.Print oppm(x, 1) & " not found in tracker "

Debug.Print " "

Else 'OPPM found

'Debug.Print res

Range(res.Address).Select

y = ActiveCell.row

If Cells(y, tstatusCol).Value <> oppm(x, 2) Then

Debug.Print "OPPM - " & oppm(x, 1)

Debug.Print "Current Stage - " & oppm(x, 2)

Debug.Print "Tracker Status - " & Cells(y, tstatusCol).Value

Debug.Print " "

End If

If Cells(y, tgroomCol).Value <> oppm(x, 3) Then

Debug.Print "OPPM - " & oppm(x, 1)

Debug.Print "Grooming Target Comp-Date - " & oppm(x, 3)

Debug.Print "Tracker Status - " & Cells(y, tgroomCol).Value

Debug.Print " "

End If

If Cells(y, tfrCol).Value <> oppm(x, 4) Then

Debug.Print "OPPM - " & oppm(x, 1)

Debug.Print "Grooming Target Comp-Date - " & oppm(x, 4)

Debug.Print "Tracker Grooming Complete - " & Cells(y, tgroomCol).Value

Debug.Print " "

End If

If Cells(y, tleadCol).Value <> oppm(x, 5) Then

Debug.Print "OPPM - " & oppm(x, 1)

Debug.Print "Source SME Lead - " & oppm(x, 5)

Debug.Print "Tracker BA Lead - " & Cells(y, tleadCol).Value

Debug.Print " "

End If

If Cells(y, tbaCol).Value <> oppm(x, 6) Then

Debug.Print "OPPM - " & oppm(x, 1)

Debug.Print "Source BA SME - " & oppm(x, 6)

Debug.Print "Tracker ECMS BA - " & Cells(y, tbaCol).Value

Debug.Print " "

End If

End If

ExitFor:

Next x

'Close Demand workbook

Workbooks(srcSheet).Close

Application.ScreenUpdating = True

Debug.Print "Program Ended"

Debug.Print "============="

End

error:

MsgBox "Error : " & Err.Number & " " & Err.Description

Application.ScreenUpdating = True

End

End Sub

Sub findLastRow()

lastRow = Cells(Rows.Count, 1).End(xlUp).row

'Debug.Print lastRow

End Sub

Sub findLastCol()

lastCol = Cells(1, Columns.Count).End(xlToLeft).Column

End Sub

Function findColByName(colName As String, lastCol As Integer) As Integer

For col = 1 To lastCol

If Cells(1, col) = colName Then

Exit For

End If

Next col

findColByName = col

End Function