Sub IBUTReport()

'by Karl Drews

'\* To be run daily on the IBUT report from Oper1

'\*\*NOTE: The IBUT usually comes from Oper1 in two separate files. The records must be combined into a single file before running this macro.

Dim TodaysDate As String

Dim OriginalFile As Workbook

Dim OriginalSheet As Worksheet

Dim OriginalFileName As String

Dim RowCount As Long

Dim DateofFile As String

Dim RefDate As String

Dim DateFix As Range

Dim RowCounter As Long

Dim SupportHubArray As Variant

Dim SupportHub As Integer

Dim OldCounter As Long

TodaysDate = Format(Date, "mm-dd-yyyy")

Set OriginalFile = ActiveWorkbook

Set OriginalSheet = ActiveSheet

OriginalFileName = OriginalFile.Name

DateofFile = Mid(OriginalFileName, 28, 10)

RefDate = Format((DateValue(DateofFile)), "mm-dd-yyyy")

RowCount = ActiveSheet.UsedRange.Rows.Count

' Creates column to test 45 days old

Columns("N").Insert Shift:=xlToRight

Range("N2:N" & RowCount).NumberFormat = "General"

Range("N2:N" & RowCount).Formula = "=TODAY()-M2"

Range("N2:N" & RowCount).NumberFormat = "General"

Range("N2:N" & RowCount) = Range("N2:N" & RowCount).Value

Columns("A:X").Sort key1:=Range("N2"), order1:=xlDescending, Header:=xlYes, DataOption1:=xlSortNormal

' Test if older than 45 days, when it gets to items less than 45, it jumps out of loop to save time

For IBUTLoop = 1 To 1

For RowCounter = 2 To RowCount

If Range("N" & RowCounter) > 45 Then

Rows(RowCounter).Interior.ColorIndex = 3

OldCounter = OldCounter + 1

Else: GoTo LoopBreakout

End If

Next RowCounter

LoopBreakout:

Next IBUTLoop

'Delete comparison column

Columns("N").Delete Shift:=xlToLeft

'Create key

Range("X2:X" & RowCount).Formula = "=CONCATENATE(J2,H2)"

Range("X:X") = Range("X:X").Value

Range("X1") = "Key"

'Open today's PHO file and check if keyed parts are PHO, Yes or No, then close PHO report

Workbooks.Open FileName:="\\netapp02\ProcurementDocs$\PHO\PHO " & TodaysDate & ".xlsx"

OriginalFile.Activate

Range("Y1") = "PHO?"

Range("Y2:Y" & RowCount).Formula = "=IF(ISNA(VLOOKUP(X2,'[PHO " & TodaysDate & ".xlsx]Detail'!$C:$D,1,FALSE)),""No"",""Yes"")"

Range("Y:Y") = Range("Y:Y").Value

Workbooks("PHO " & TodaysDate & ".xlsx").Close SaveChanges:=False

'Create a folder with today's date within the In Transit Reports -> Today folder

Application.DisplayAlerts = False

MkDir "R:\In Transit Reports\Today\" & RefDate

'Breakout each hub, format, and save with today's date

SupportHubArray = Array("AB100", "CA200", "GA100", "HI100", "IN100", "IN200", "MN100", "MO100", "NC100", "NL100", "OH100", "ON100", "PA100", "TX100", "UT100", "WA100")

For SupportHub = LBound(SupportHubArray) To UBound(SupportHubArray)

ActiveSheet.UsedRange.AutoFilter field:=8, Criteria1:=SupportHubArray(SupportHub)

ActiveSheet.AutoFilter.Range.Copy

Workbooks.Add.Worksheets(1).Paste

format\_workbook.main

ActiveWorkbook.SaveAs FileName:="R:\In Transit Reports\Today\" & TodaysDate & "\" & SupportHubArray(SupportHub) & " IBUT " & RefDate & ".xlsb", FileFormat:=50

ActiveWorkbook.Close SaveChanges:=True

OriginalFile.Activate

Application.CutCopyMode = False

Next SupportHub

ActiveSheet.ShowAllData

ActiveSheet.AutoFilterMode = False

format\_workbook.main

'Creates Summary worksheet and deletes Pivot

Sheets.Add.Name = "Summary"

Range("A1:F1").Merge

Range("A1:F1") = "IBUT Summary " & Format(RefDate, "m-d-yy")

Range("A2") = "Destination BU"

Range("B2") = "Total"

Range("C2") = "# of Store-To-Hub"

Range("D2") = "# of Hub-To\_Hub"

Range("E2") = "% of Store-To-Hub"

Range("F2") = "% of Hub-To-Hub"

Range("A19") = "Grand Total"

For SupportHub = LBound(SupportHubArray) To UBound(SupportHubArray)

Range("A" & SupportHub + 3) = SupportHubArray(SupportHub)

Range("B" & SupportHub + 3).Formula = "=COUNTIFS(IBUT\_Report\_with\_locations\_2015!H:H,""" & SupportHubArray(SupportHub) & """)"

Range("C" & SupportHub + 3).Formula = "=COUNTIFS(IBUT\_Report\_with\_locations\_2015!H:H,""" & SupportHubArray(SupportHub) & """,IBUT\_Report\_with\_locations\_2015!I:I,""<>\*100"",IBUT\_Report\_with\_locations\_2015!I:I,""<>\*200"")"

Next SupportHub

Range("B3:D19").NumberFormat = "#,##0"

Range("E3:F19").NumberFormat = "0.0%"

Range("D3:D19").Formula = "=B3-C3"

Range("B19").Value = Application.Sum(Range("B3:B18"))

Range("C19").Value = Application.Sum(Range("C3:C18"))

Range("E3:E19").Formula = "=C3/B3"

Range("F3:F19").Formula = "=D3/B3"

Range("A1:F19").Font.Name = "Calibri"

Range("A1:F2").Font.Bold = True

Range("A1:F1").Font.Size = 14

Range("A2:F2").Font.Size = 12

Range("A3:F19").Font.Size = 11

With Range("A1:F19")

.EntireColumn.AutoFit

.HorizontalAlignment = xlCenter

End With

For Each BorderIndex In Array(xlEdgeTop, xlEdgeLeft, xlEdgeBottom, xlEdgeRight, xlInsideHorizontal, xlInsideVertical)

With Range("A1:F19").Borders(BorderIndex)

.Weight = xlThin

.ColorIndex = xlAutomatic

End With

Next BorderIndex

ActiveWorkbook.SaveAs FileName:="R:\In Transit Reports\Today\" & TodaysDate & "\IBUT " & RefDate & ".xlsb", FileFormat:=50

End Sub