Option Base 0

Public Const SHBaseYear = 1278

Public Const SHBaseMonth = 12

Public Const SHBaseDay = 29

Function SHIsLeap\_Year(ByVal ShYear As Long) As Boolean

Dim LEAP1 As Single

SHIsLeap\_Year = False

LEAP1 = (8 \* ShYear + 22) / 33 - 0.001

LEAP1 = LEAP1 - Int(LEAP1)

If (LEAP1 > 0.77) Or (LEAP1 = 0) Then SHIsLeap\_Year = True

End Function

Function SHLeap\_Count(ByVal ShYear As Long) As Integer

Dim LEAP1 As Integer, LEAP2 As Integer, LEAP3 As Integer

LEAP1 = (ShYear - 22) \ 33

LEAP2 = ((ShYear - 22) Mod 33) \ 4

If ShYear >= 22 Then

LEAP3 = 6 + (8 \* LEAP1) + LEAP2 '6=(22 \ 4) + 1) leap days til Shyear=22

Else

LEAP3 = (ShYear + 3) \ 4 'the first leap year as Shyear=1

End If

If (ShYear - 21) Mod 33 = 0 Then LEAP3 = LEAP3 - 1

SHLeap\_Count = LEAP3

End Function

Sub CH\_To\_SH(ByVal CHDate As Date, Year As Long, Month As Long, Day As Long)

Dim DayNum As Long, ReminderDay As Long

Dim NewYear As Long, NewMonth As Long, NewDay As Long

NewYear = 0

NewMonth = 0

NewDay = 0

DayNum = Round(CHDate) - 80

NewYear = (DayNum \ 365) + SHBaseYear + 1

ReminderDay = (DayNum Mod 365) - (SHLeap\_Count(NewYear - 1) - SHLeap\_Count(SHBaseYear))

If ReminderDay <= 0 Then

NewYear = NewYear - 1

ReminderDay = 365 + (DayNum Mod 365)

ReminderDay = ReminderDay - (SHLeap\_Count(NewYear - 1) - SHLeap\_Count(SHBaseYear))

End If

If ReminderDay <= 0 Then

NewYear = NewYear - 1

If SHIsLeap\_Year(NewYear) Then

ReminderDay = 366

Else

ReminderDay = 365

End If

End If

NewMonth = ((ReminderDay - 1) \ 31) + 1

NewDay = ReminderDay Mod 31

If NewDay = 0 Then NewDay = 31

If NewMonth > 6 Then

NewDay = NewDay + (NewMonth - 7)

NewMonth = NewMonth + ((NewDay - 1) \ 30)

NewDay = (NewDay Mod 30)

If NewDay = 0 Then NewDay = 30

End If

Year = NewYear

Month = NewMonth

Day = NewDay

End Sub

Function FDate(ADate As String, Zero As Boolean, Optional Four As Boolean = False) As String

Dim Y As Long, M As Long, D As Long

Dim ys As String, ms As String, ds As String

CH\_To\_SH CDate(ADate), Y, M, D

If Four Then

ys = Str(Y)

Else

ys = Right$(Str(Y), 2)

End If

If Zero Then

If Len(Trim(Str(M))) < 2 Then

ms = "0" + Trim(Str(M))

Else

ms = Trim(Str(M))

End If

If Len(Trim(Str(D))) < 2 Then

ds = "0" + Trim(Str(D))

Else

ds = Trim(Str(D))

End If

Else

ms = Trim(Str(M))

ds = Trim(Str(D))

End If

FDate = ys & "/" & ms & "/" & ds

End Function

Public Sub Shamsi\_date()

Dim tskProjTask As Task 'Reference to a task object.

Dim tsksProjTasks As Tasks

Set tsksProjTasks = ActiveProject.Tasks

For Each tskProjTask In tsksProjTasks

If Not (tskProjTask Is Nothing) Then 'Check to see if task exists and that is not a external task.

If Not tskProjTask.ExternalTask Then

tskProjTask.Text1 = FDate(Format(tskProjTask.Start, "yyyy/mm/dd"), True)

tskProjTask.Text2 = FDate(Format(tskProjTask.Finish, "yyyy/mm/dd"), True)

End If

End If

Next tskProjTask

End Sub