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