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Rem =====
Rem V_Page Parameters OOoBasic Program (Copyright:Shuichi Sunaga)
Rem (2005/10/31:410)
Rem Adoption of pgPlan%( , , , ) array in getPagePlan (2006/04/19:467)
Rem (2009/01/28:603)(2011/12/21:600)(2012/07/06:474)
Rem Translation into English(2012/08/17:472)
Rem =====
Rem Sub setOptState(ByVal pSName$) 'On sheet change, row and columns, scrollbar value
Rem Sub getPagePlan(ByVal pSName$, cMonth%)
Rem Function iWS(ByVal pSName$) As Integer
Rem Sub setCol4All()
Rem Sub setColArray(ByVal pSName$)
Rem Sub getColArray(ByVal pSName$)
Rem Function getWKSDesc(ByVal pSName$) As Object
Rem Function Col_InArray%(ByVal pSName$, ByVal sWD$)
Rem Function getNMCol%(FindWord$, ofSRange As object)
Rem Function getRowArray&(ByVal pSName$, fStrtMo%)
Rem Sub setRowArray(ByVal pSName$, fStrtMo%, fKCnM$)
Rem Sub SetSrcRange(ByVal pSName$, ByVal fStrtMo%, ByVal fEndMo%, ColNMs)
Rem Function ExamAllTopRow(ByVal vMonth%, ByVal xTB$) as Boolean '2006/11/14
Rem Function SeekTBRow&(ByVal WkWk As Object, ByVal aMonth%, ByVal zMonth%, ByVal sTB$)
Rem Function getFirstRow&(ByVal sRange As Range, sWD$)
Rem Function getLastRow&(ByVal sRange As Range, sWD$)
Rem ===== getting parameters defining Sheet layout =====
Option Explicit
Sub setOptState(ByVal pSName$)
    If pSName$ <> "" then
        aSName$=pSName$
        Set aSheet = oSheets.getByName(pSName$)
        aController.ActiveSheet = aSheet
        getPagePlan aSName$, cMonth%
    End If
End Sub
Rem =====
Sub getPagePlan(ByVal pSName$, ByVal whatMo%)
    dim a%, ActTitleRow%, Col_RM%, Col_RB$, brdrCol%, tmpRow&
    ActTitleRow% = 5
    Select case UCase(pSName$)
        Case "BS", "PL", "AvB", "CF"
            Col_ActCD% = ActCol%
            brdrCol% = myMax(CBS_CM%, CBS_YE%)+1
            pgPlan = Array(1, ActTitleRow%+2, brdrCol%, getFSRow%(aSheet, "ENDLN", ActCol%))
        Case "DPT"
            Col_ActCD% = ActCol%
            Col_RM% = Col_InFR%("DPT", "Audit")
            pgPlan = Array(1, ActTitleRow%+2, Col_RM%, GetLastUsedRow&(aSheet, CFCol%-1)-1)
        Case "LENSE"
            Col_ValMo% = 7
            Col_Payer% = 4
            pgPlan = Array(1, 3, 10 + NumDpt%, getFSRow%(aSheet, "TOTAL", 5)-1)
        Case "ANL"
            pgPlan = Array(1, 3, 11, GetLastUsedRow&(aSheet, 5))
        Case "PPE"
            pgPlan = Array(1, 6 + 1, 23, GetLastUsedRow&(aSheet, 3))
        Case "SVC"
            pgPlan = Array(1, 3, 16, GetLastUsedRow&(aSheet, 6))
        Case "BK", "JV"
            getColArray(pSName$)
            setRowArray pSName$, "ValMo", WhatMo%, cMonth%
            Select Case UCase(pSName$)
                Case "BK"
                    pgPlan = Array(1, dbMonthTop&, Col_Border%, dbBtmBorder&)
                Case "JV"
                    if IsCMDTNull then
                        pgPlan = Array(1, dbBtmBorder&, Col_Border%, dbBtmBorder&)
                    else
                        pgPlan = Array(1, dbMonthTop&, Col_Border%, dbBtmBorder&)
                    end if
            End Select
        Case "AP", "AR", "MW"

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1 Rem =====
2 Rem V_Page Parameters Excel VBA Program (Copyright:Shuichi Sunaga)
3 Rem
4 Rem
5 Rem (2012/01/14:456)Abolished getColByName(2012/07/02:447)
6 Rem Translation into English(2012/08/17:472)
7 Rem =====
8 Rem Sub setOptState(ByVal pSName$) 'On sheet change, row and columns, scrollbar value
9 Rem Sub getPagePlan(ByVal pSName$, cMonth%)
10 Rem Function iWS(ByVal pSName$) As Integer
11 Rem Sub setCol4All()
12 Rem Sub setColArray(ByVal pSName$)
13 Rem Sub getColArray(ByVal pSName$)
14 Rem
15 Rem Function Col_InArray%(ByVal pSName$, ByVal sWD$)
16 Rem Function getNMCol%(FindWord$, ofSRange As object, oWkS As Worksheet)
17 Rem Function getRowArray&(ByVal pSName$, fStrtMo%)
18 Rem Sub setRowArray(ByVal pSName$, fStrtMo%)
19 Rem Sub SetSrcRange(ByVal pSName$, ByVal fStrtMo%, ByVal fEndMo%, ColNMs)
20 Rem Function ExamAllTopRow(ByVal vMonth%, ByVal xTB$) as Boolean '2006/11/14
21 Rem Function SeekTBRow&(ByVal WkWk As Object, ByVal aMonth%, ByVal zMonth%, ByVal sTB$)
22 Rem Function getFirstRow&(ByVal sRange As Range, sWD$)
23 Rem Function getLastRow&(ByVal sRange As Range, sWD$)
24 Rem ===== getting parameters defining Sheet layout =====
25 Option Explicit
26 Sub setOptState(ByVal pSName$)
27     If pSName$ <> "" Then
28         aSName$ = pSName$
29         Set aSheet = Workbooks(GLName).Worksheets(pSName$)
30         aSheet.Activate
31         getPagePlan aSName$, cMonth%
32     End If
33 End Sub
34 Rem =====
35 Sub getPagePlan(ByVal pSName$, ByVal whatMo%)
36     Dim a%, i%, ActTitleRow%, Col_RM%, Col_RB$, brdrCol%, tmpRow&
37     ActTitleRow% = 5
38     Select Case UCase(pSName$)
39         Case "BS", "PL", "AvB", "CF"
40             Col_ActCD% = ActCol%
41             brdrCol% = myMax(CBS_CM%, CBS_YE%) + 1
42             pgPlan = Array(1, ActTitleRow% + 2, brdrCol%, getFSRow%(aSheet, "ENDLN", ActCol%))
43         Case "DPT"
44             Col_ActCD% = ActCol%
45             Col_RM% = Col_InFR%("DPT", "Audit")
46             pgPlan = Array(1, ActTitleRow% + 2, Col_RM, GetLastUsedRow&(aSheet, CFCol% - 1) - 1)
47         Case "LENSE"
48             Col_ValMo% = 7
49             Col_Payer% = 4
50             pgPlan = Array(1, 3, 10 + NumDpt%, getFSRow%(aSheet, "TOTAL", 5) - 1)
51         Case "ANL"
52             pgPlan = Array(1, 3, 11, GetLastUsedRow&(aSheet, 5))
53         Case "PPE"
54             pgPlan = Array(1, 6 + 1, 23, GetLastUsedRow&(aSheet, 3))
55         Case "SVC"
56             pgPlan = Array(1, 3, 16, GetLastUsedRow&(aSheet, 6))
57         Case "BK", "JV"
58             getColArray (pSName$)
59             setRowArray pSName$, "ValMo", whatMo%, cMonth%
60             Select Case UCase(pSName$)
61                 Case "BK"
62                     pgPlan = Array(1, dbMonthTop&, Col_Border%, dbBtmBorder&)
63                 Case "JV"
64                     If IsCMDTNull Then
65                         pgPlan = Array(1, dbBtmBorder&, Col_Border%, dbBtmBorder&)
66                     Else
67                         pgPlan = Array(1, dbMonthTop&, Col_Border%, dbBtmBorder&)
68                     End If
69             End Select
70         Case "AP", "AR", "MW"

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Set aSheet = oSheets.getByname(pSName$)
getColArray (pSName$)
dbBtmBorder& = getBtmBorder&(pSName$, "ValMo")
tmpRow& = SeekTbRow&(aSheet, "ValMo", cMonth%, cMonth%, "Top")
dbMonthTop& = SeekTbRow&(aSheet, "PaidMo", cMonth%, cMonth%, "Top")
dbMonthTop& = myMin(dbMonthTop&, tmpRow&)
tmpRow& = SeekTbRow&(aSheet, "ValMo", cMonth%, cMonth%, "Btm")
dbMonthBtm& = SeekTbRow&(aSheet, "PaidMo", cMonth%, cMonth%, "Btm")
dbMonthBtm& = myMax(dbMonthBtm&, tmpRow&)
If IsCMDTNull Then
    pgPLan = Array(1, dbMonthTop&, Col_Border%, dbBtmBorder&)
Else
    pgPLan = Array(1, dbMonthTop&, Col_Border%, dbMonthBtm&)
End If
Case Else
    If iWS(pSName$)=12 then
        Col_ActCD% = ActCol%
        brdrCol% = myMax(CBS_CM%, CBS_YE%)+1
        pgPLan = Array(1, ActTitleRow% + 2, brdrCol%, getFSRow%(WkPL, "ENDLN", ActCol%))
    Else
        a%=myMax(GetLastUsedRow&(aSheet, 2),GetLastUsedRow&(aSheet, 3))
        pgPLan = Array(1, 1, GetLastUsedCol%(aSheet)+1, a%)
    End If
End Select
End Sub
Rem ===== getting index of ColArry assigned to each sheet =====
Function iWS%(ByVal pSName$)
    Dim i%, DptCol%
    Select case pSName$
        case "BK"
            iWS% = 0
        case "JV"
            iWS% = 1
        case "AP"
            iWS% = 2
        case "AR"
            iWS% = 3
        case "MW"
            iWS% = 4
        case "BS", "PL", "AvB", "Dpt", "CF"
            iWS% = 10
        case "PPE"
            iWS% = 8
        case else
            iWS% = 9
            If IsMultiDP then
                For i% = 1 To NumDpt
                    Set WkBK = oSheets.getByname("BK")
                    DptCol% = Col_InArray%("BK", "Amount")
                    If pSName$ = CellString(WkBK, CNRow%, i% + DptCol%) then
                        iWS% = 12
                        Exit for
                    End If
                Next i%
            End If
        End Select
    End Function
Sub setCol4All()
    setColArray("BK")
    If APUse then
        setColArray("AP")
    End If
    If ARUse then
        setColArray("AR")
    End If
    If MWUse then
        setColArray("MW")
    End If
    setColArray("JV")
End Sub

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71 Set aSheet = Workbooks(GLName).Worksheets(pSName$)
72 getColArray (pSName$)
73 dbBtmBorder& = getBtmBorder&(pSName$, "ValMo")
74 tmpRow& = SeekTbRow&(aSheet, "ValMo", cMonth%, cMonth%, "Top")
75 dbMonthTop& = SeekTbRow&(aSheet, "PaidMo", cMonth%, cMonth%, "Top")
76 dbMonthTop& = myMin(dbMonthTop&, tmpRow&)
77 tmpRow& = SeekTbRow&(aSheet, "ValMo", cMonth%, cMonth%, "Btm")
78 dbMonthBtm& = SeekTbRow&(aSheet, "PaidMo", cMonth%, cMonth%, "Btm")
79 dbMonthBtm& = myMax(dbMonthBtm&, tmpRow&)
80 If IsCMDTNull Then
81     pgPLan = Array(1, dbMonthTop&, Col_Border%, dbBtmBorder&)
82 Else
83     pgPLan = Array(1, dbMonthTop&, Col_Border%, dbMonthBtm&)
84 End If
85 Case Else
86     If iWS(pSName$) = 12 Then
87         Col_ActCD% = ActCol%
88         brdrCol% = myMax(CBS_CM%, CBS_YE%) + 1
89         pgPLan = Array(1, ActTitleRow% + 2, brdrCol%, getFSRow%(WkPL, "ENDLN", ActCol))
90     Else
91         a% = myMax(GetLastUsedRow&(aSheet, 2), GetLastUsedRow&(aSheet, 3))
92         pgPLan = Array(1, 1, GetLastUsedCol%(aSheet) + 1, a%)
93     End If
94 End Select
95 End Sub
96 Rem ===== getting index of ColArry assigned to each sheet =====
97 Function iWS%(ByVal pSName$)
98     Dim i%, DptCol%
99     Select Case pSName$
100         Case "BK"
101             iWS% = 0
102         Case "JV"
103             iWS% = 1
104         Case "AP"
105             iWS% = 2
106         Case "AR"
107             iWS% = 3
108         Case "MW"
109             iWS% = 4
110         Case "BS", "PL", "AvB", "Dpt", "CF"
111             iWS% = 10
112         Case "PPE"
113             iWS% = 8
114         Case Else
115             iWS% = 9
116             If IsMultiDP Then
117                 For i% = 1 To NumDpt
118                     Set WkBK = Workbooks(GLName).Worksheets("BK")
119                     DptCol% = Col_InArray%("BK", "Amount")
120                     If pSName$ = CellString(WkBK, CNRow%, i% + DptCol%) Then
121                         iWS% = 12
122                         Exit For
123                     End If
124                 Next i%
125             End If
126         End Select
127     End Function
128 Sub setCol4All()
129     setColArray ("BK")
130     If APUse Then
131         setColArray ("AP")
132     End If
133     If ARUse Then
134         setColArray ("AR")
135     End If
136     If MWUse Then
137         setColArray ("MW")
138     End If
139     setColArray ("JV")
140 End Sub

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Sub setColArray(ByVal pSName$)
    dim w%, sCol%, fRNM$
    dim WkWk as object
    Set WkWk = oSheets.getByname(pSName$)
    Set oCNMDesc = WkWk.createSearchDescriptor()
    fRNM$ = cna$ & CStr(CNRow%) & cjc$ & CAlpha(ColLMT%) & CStr(CNRow%)
    Set oCNMRange = WkWk.getCellRangeByName(fRNM$)
    w% = iWS(pSName$)
    ColArry%(1,w%) = getNMCol%("Col_LineNo", oCNMRange)
    ColArry%(2,w%) = getNMCol%("Col_InvNo", oCNMRange)
    ColArry%(3,w%) = getNMCol%("Col_InvDate", oCNMRange)
    ColArry%(4,w%) = getNMCol%("Col_PaidDate", oCNMRange)
    ColArry%(5,w%) = getNMCol%("Col_Payer", oCNMRange)
    ColArry%(6,w%) = getNMCol%("Col_Descr", oCNMRange)
    ColArry%(7,w%) = getNMCol%("Col_Gross", oCNMRange)
    ColArry%(8,w%) = getNMCol%("Col_PrjCD", oCNMRange, WkWk)
    ColArry%(9,w%) = getNMCol%("Col_WHT", oCNMRange, WkWk)
    ColArry%(10,w%) = getNMCol%("Col_BKChg", oCNMRange, WkWk)
    ColArry%(11,w%) = getNMCol%("Col_CXCr", oCNMRange, WkWk)
    ColArry%(12,w%) = getNMCol%("Col_CXDr", oCNMRange, WkWk)
    ColArry%(13,w%) = getNMCol%("Col_BKCD", oCNMRange, WkWk)
    ColArry%(14,w%) = getNMCol%("Col_PaidMo", oCNMRange, WkWk)
    ColArry%(15,w%) = getNMCol%("Col_ValMo", oCNMRange, WkWk)
    ColArry%(17,w%) = getNMCol%("Col_ActCD", oCNMRange, WkWk)
    ColArry%(18,w%) = getNMCol%("Col_Amount", oCNMRange, WkWk)
    ColArry%(19,w%) = getNMCol%("Col_Border", oCNMRange, WkWk)
    ColArry%(20,w%) = 0
    If IsMultiDP then
        Select Case pSName$
            Case "BK", "JV"
                If ColArry%(19, w%) - ColArry%(18, w%) >= NumDpt Then
                    ColArry%(20, w%) = 1
                End If
            Case "AP", "AR", "MW"
                sCol% = getNMCol%("Col_MoEnd", oCNMRange, WkWk)
                If sCol% - ColArry%(18, w%) >= NumDpt + 4 Then
                    ColArry%(20, w%) = 1
                End If
        End Select
    End If
End Sub

Sub getColArray(ByVal pSName$)
    dim w%
    w%=iWS(pSName$)
    If w%<=4 Then
        If ColArry%(14, w%) = 0 then
            setColArray(pSName$)
        End If
        Col_LineNo% = ColArry%(1,w%)
        Col_InvNo% = ColArry%(2,w%)
        Col_InvDate% = ColArry%(3,w%)
        Col_PaidDate% = ColArry%(4,w%)
        Col_Payer% = ColArry%(5,w%)
        Col_Descr% = ColArry%(6,w%)
        Col_Gross% = ColArry%(7,w%)
        Col_PrjCD% = ColArry%(8,w%)
        Col_WHT% = ColArry%(9,w%)
        Col_BKChg% = ColArry%(10,w%)
        Col_CXCr% = ColArry%(11,w%)
        Col_CXDr% = ColArry%(12,w%)
        Col_BKCD% = ColArry%(13,w%)
        Col_PaidMo% = ColArry%(14,w%)
        Col_ValMo% = ColArry%(15,w%)
        Col_ActCD% = ColArry%(17,w%)
        Col_Amount% = ColArry%(18,w%)
        Col_Border% = ColArry%(19,w%)
        bAllocDpt = ColArry%(20,w%)
    End If
End Sub
Function getWKSDesc(ByVal pSName$) As Object

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141 Sub setColArray(ByVal pSName$)
142     Dim w%, sCol%, fRNM$
143     Dim WkWk As Worksheet
144     Set WkWk = Workbooks(GLName).Worksheets(pSName$)
145
146     fRNM$ = "$A$" & CStr(CNRow%) & ":" & CAlpha(ColLMT%) & CStr(CNRow%)
147     Set oCNMRange = WkWk.Range(fRNM$)
148     w% = iWS(pSName$)
149     ColArry%(1, w%) = getNMCol%("Col_LineNo", oCNMRange, WkWk)
150     ColArry%(2, w%) = getNMCol%("Col_InvNo", oCNMRange, WkWk)
151     ColArry%(3, w%) = getNMCol%("Col_InvDate", oCNMRange, WkWk)
152     ColArry%(4, w%) = getNMCol%("Col_PaidDate", oCNMRange, WkWk)
153     ColArry%(5, w%) = getNMCol%("Col_Payer", oCNMRange, WkWk)
154     ColArry%(6, w%) = getNMCol%("Col_Descr", oCNMRange, WkWk)
155     ColArry%(7, w%) = getNMCol%("Col_Gross", oCNMRange, WkWk)
156     ColArry%(8, w%) = getNMCol%("Col_PrjCD", oCNMRange, WkWk)
157     ColArry%(9, w%) = getNMCol%("Col_WHT", oCNMRange, WkWk)
158     ColArry%(10, w%) = getNMCol%("Col_BKChg", oCNMRange, WkWk)
159     ColArry%(11, w%) = getNMCol%("Col_CXCr", oCNMRange, WkWk)
160     ColArry%(12, w%) = getNMCol%("Col_CXDr", oCNMRange, WkWk)
161     ColArry%(13, w%) = getNMCol%("Col_BKCD", oCNMRange, WkWk)
162     ColArry%(14, w%) = getNMCol%("Col_PaidMo", oCNMRange, WkWk)
163     ColArry%(15, w%) = getNMCol%("Col_ValMo", oCNMRange, WkWk)
164     ColArry%(17, w%) = getNMCol%("Col_ActCD", oCNMRange, WkWk)
165     ColArry%(18, w%) = getNMCol%("Col_Amount", oCNMRange, WkWk)
166     ColArry%(19, w%) = getNMCol%("Col_Border", oCNMRange, WkWk)
167     ColArry%(20, w%) = 0
168     If IsMultiDP Then
169         Select Case pSName$
170             Case "BK", "JV"
171                 If ColArry%(19, w%) - ColArry%(18, w%) >= NumDpt Then
172                     ColArry%(20, w%) = 1
173                 End If
174             Case "AP", "AR", "MW"
175                 sCol% = getNMCol%("Col_MoEnd", oCNMRange, WkWk)
176                 If sCol% - ColArry%(18, w%) >= NumDpt + 4 Then
177                     ColArry%(20, w%) = 1
178                 End If
179         End Select
180     End If
181 End Sub
182 Sub getColArray(ByVal pSName$)
183     Dim w%
184     w% = iWS(pSName$)
185     If w% <= 4 Then
186         If ColArry%(14, w%) = 0 Then
187             setColArray (pSName$)
188         End If
189         Col_LineNo% = ColArry%(1, w%)
190         Col_InvNo% = ColArry%(2, w%)
191         Col_InvDate% = ColArry%(3, w%)
192         Col_PaidDate% = ColArry%(4, w%)
193         Col_Payer% = ColArry%(5, w%)
194         Col_Descr% = ColArry%(6, w%)
195         Col_Gross% = ColArry%(7, w%)
196         Col_PrjCD% = ColArry%(8, w%)
197         Col_WHT% = ColArry%(9, w%)
198         Col_BKChg% = ColArry%(10, w%)
199         Col_CXCr% = ColArry%(11, w%)
200         Col_CXDr% = ColArry%(12, w%)
201         Col_BKCD% = ColArry%(13, w%)
202         Col_PaidMo% = ColArry%(14, w%)
203         Col_ValMo% = ColArry%(15, w%)
204         Col_ActCD% = ColArry%(17, w%)
205         Col_Amount% = ColArry%(18, w%)
206         Col_Border% = ColArry%(19, w%)
207         bAllocDpt = ColArry%(20, w%)
208     End If
209 End Sub
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Select Case pSName$
    Case "BK"
        getWKSDesc = oBKSDesc
    Case "JV"
        getWKSDesc = oJVSDesc
    Case "AP"
        getWKSDesc = oAPSDesc
    Case "AR"
        getWKSDesc = oARSDesc
    Case "MW"
        getWKSDesc = oMWSDesc
End Select
End Function
Function Col_InArray%(ByVal pSName$, ByVal sWD$)
    Dim w%
    w% = iWS(pSName$)
    If w% <= 4 Then
        If ColArray%(14, w%) = 0 Then
            setColArray(pSName$)
        End If
        Select Case sWD$
            Case "LineNo"
                Col_InArray% = ColArray%(1, w%)
            Case "InvNo"
                Col_InArray% = ColArray%(2, w%)
            Case "InvDate"
                Col_InArray% = ColArray%(3, w%)
            Case "PaidDate"
                Col_InArray% = ColArray%(4, w%)
            Case "Payer"
                Col_InArray% = ColArray%(5, w%)
            Case "Descr"
                Col_InArray% = ColArray%(6, w%)
            Case "Gross"
                Col_InArray% = ColArray%(7, w%)
            Case "PrjCD"
                Col_InArray% = ColArray%(8, w%)
            Case "WHT"
                Col_InArray% = ColArray%(9, w%)
            Case "BKChg"
                Col_InArray% = ColArray%(10, w%)
            Case "CXCcr"
                Col_InArray% = ColArray%(11, w%)
            Case "CXDr"
                Col_InArray% = ColArray%(12, w%)
            Case "BKCD"
                Col_InArray% = ColArray%(13, w%)
            Case "PaidMo"
                Col_InArray% = ColArray%(14, w%)
            Case "ValMo"
                Col_InArray% = ColArray%(15, w%)
            Case "ActCD"
                Col_InArray% = ColArray%(17, w%)
            Case "Amount"
                Col_InArray% = ColArray%(18, w%)
            Case "Border"
                Col_InArray% = ColArray%(19, w%)
            Case "bAlloc"
                Col_InArray% = ColArray%(20, w%)
        End Select
    End If
End Function
Function getNMCOL$(FindWord$, ofSRange As object)
    Dim oFound As object
    oCNMDesc.SearchWords = True
    oCNMDesc.SearchString = FindWord$
    oCNMDesc.SearchBackwards = False
    Set oFound = ofSRange.FindFirst(oCNMDesc)
    If IsNull(oFound) Then
        getNMCOL% = ColLmt%
    End If
End Function

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224 Function Col_InArray%(ByVal pSName$, ByVal sWD$)
225     Dim w%
226     w% = iWS(pSName$)
227     If w% <= 4 Then
228         If ColArray%(14, w%) = 0 Then
229             setColArray(pSName$)
230         End If
231         Select Case sWD$
232             Case "LineNo"
233                 Col_InArray% = ColArray%(1, w%)
234             Case "InvNo"
235                 Col_InArray% = ColArray%(2, w%)
236             Case "InvDate"
237                 Col_InArray% = ColArray%(3, w%)
238             Case "PaidDate"
239                 Col_InArray% = ColArray%(4, w%)
240             Case "Payer"
241                 Col_InArray% = ColArray%(5, w%)
242             Case "Descr"
243                 Col_InArray% = ColArray%(6, w%)
244             Case "Gross"
245                 Col_InArray% = ColArray%(7, w%)
246             Case "PrjCD"
247                 Col_InArray% = ColArray%(8, w%)
248             Case "WHT"
249                 Col_InArray% = ColArray%(9, w%)
250             Case "BKChg"
251                 Col_InArray% = ColArray%(10, w%)
252             Case "CXCcr"
253                 Col_InArray% = ColArray%(11, w%)
254             Case "CXDr"
255                 Col_InArray% = ColArray%(12, w%)
256             Case "BKCD"
257                 Col_InArray% = ColArray%(13, w%)
258             Case "PaidMo"
259                 Col_InArray% = ColArray%(14, w%)
260             Case "ValMo"
261                 Col_InArray% = ColArray%(15, w%)
262             Case "ActCD"
263                 Col_InArray% = ColArray%(17, w%)
264             Case "Amount"
265                 Col_InArray% = ColArray%(18, w%)
266             Case "Border"
267                 Col_InArray% = ColArray%(19, w%)
268             Case "bAlloc"
269                 Col_InArray% = ColArray%(20, w%)
270         End Select
271     End If
272 End Function
273 Function getNMCOL$(FindWord$, ofSRange As Object, oWks As Worksheet)
274     Dim oFound As Object
275
276
277
278     Set oFound = ofSRange.Find(FindWord$, Lookat:=xlWhole)
279     If oFound Is Nothing Then
280         getNMCOL% = ColLMT%
    End If
End Function

```

```

        if FindWord$="Col_Border" Then
            aController.ActiveSheet = ofSRRange.Spreadsheet
            MsgBoxShow("Col_Border")
            End
        end if
    Else
        getNMCol% = oFound.CellAddress.Column + 1
    Endif
End Function
Function getRowArray(ByVal pSName$, mthCNM$, fStrtMo%, fEndMo%)
    Dim iw%
    iw% = iWS(pSName$)
    If RowArray(2, iw%) = 0 Then
        SetRowArray pSName$, mthCNM$, fStrtMo%, fEndMo%
    End If
    dbMonthTop& = RowArray(0, iw%)
    dbMonthBtm& = RowArray(1, iw%)
    dbBtmBorder& = RowArray(2, iw%)
    IsCMDTNull = RowArray(3, iw%)
End Function
Rem =====( Defining CellRange for the selected period ) =====
Sub setRowArray(ByVal pSName$, mthCNM$, fStrtMo%, fEndMo%)
    Dim WkWk As Object, iw%, srcCol%
    Set WkWk = oSheets.getByNam(pSName$)
    iw% = iWS(pSName$)
    srcCol% = Col_InArray(pSName$, "ValMo")
    dbBtmBorder& = getBtmBorder&(pSName$, "ValMo")
    Select Case UCase(pSName$)
        Case "BK", "JV"
            targetRow& = SeekTbRow&(WkWk, "ValMo", fStrtMo%, fEndMo%, "Top")
        Case "AP", "AR", "MW"
            srcCol% = Col_InArray(pSName$, mthCNM$)
            targetRow& = SeekTbRow&(WkWk, mthCNM$, fStrtMo%, fEndMo%, "Top")
    End Select
    If IsCMDTNull Then 'Current Month Data
        dbMonthTop& = dbBtmBorder&
        dbMonthBtm& = dbBtmBorder&
    End If
    RowArray(0, iw%) = dbMonthTop&
    RowArray(1, iw%) = dbMonthBtm&
    RowArray(2, iw%) = dbBtmBorder&
    RowArray(3, iw%) = IsCMDTNull
End Sub
Rem Defining CellRange for preparation of BS/PL/CF and Account Analysis
Sub SetSrcRange(mthCNM$, ByVal fStrtMo%, ByVal fEndMo%, srcCNM$)
    Dim tCol%, fRNM$
    Rem ===== BK =====
    tCol% = Col_InArray%("BK", srcCNM$)
    setRowArray& "BK", "ValMo", fStrtMo%, fEndMo%
    fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
    fRNM$ = fRNM$ & CStr(dbMonthBtm&)
    Set oBKSDesc = WkBK.createSearchDescriptor()
    Set BKRange = WkBK.getCellRangeByName(fRNM$)
    If srcCNM$ = "ActCD" Then
        If APUse Then '===== AP =====
            tCol% = Col_InArray%("AP", srcCNM$)
            setRowArray& "AP", mthCNM$, fStrtMo%, fEndMo%
            fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
            fRNM$ = fRNM$ & CStr(dbBtmBorder&)
            Set oAPSDesc = WkAP.createSearchDescriptor()
            Set APRRange = WkAP.getCellRangeByName(fRNM$)
        End If
        If ARUse Then '===== AR =====
            tCol% = Col_InArray%("AR", srcCNM$)
            setRowArray& "AR", mthCNM$, fStrtMo%, fEndMo%
            fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
            fRNM$ = fRNM$ & CStr(dbBtmBorder&)
            Set oARSDesc = WkAR.createSearchDescriptor()
            Set ARRange = WkAR.getCellRangeByName(fRNM$)
        End If
    End If
End Sub

```

```

281     If FindWord$ = "Col_Border" Then
282         oWkS.Activate
283         MsgBoxShow "Col_Border見出し"
284     End
285 End If
286 Else
287     getNMCol% = oFound.Column
288 End If
289 End Function
290 Function getRowArray(ByVal pSName$, mthCNM$, fStrtMo%, fEndMo%)
291     Dim iw%
292     iw% = iWS(pSName$)
293     If RowArray(2, iw%) = 0 Then
294         setRowArray pSName$, mthCNM$, fStrtMo%, fEndMo%
295     End If
296     dbMonthTop& = RowArray(0, iw%)
297     dbMonthBtm& = RowArray(1, iw%)
298     dbBtmBorder& = RowArray(2, iw%)
299     IsCMDTNull = RowArray(3, iw%)
300 End Function
301 Rem =====( Defining CellRange for the selected period ) =====
302 Sub setRowArray(ByVal pSName$, mthCNM$, fStrtMo%, fEndMo%)
303     Dim WkWk As Worksheet, iw%, srcCol%
304     Set WkWk = Workbooks(GLName).Worksheets(pSName$)
305     iw% = iWS(pSName$)
306     srcCol% = Col_InArray(pSName$, "ValMo")
307     dbBtmBorder& = getBtmBorder&(pSName$, "ValMo")
308     Select Case UCase(pSName$)
309         Case "BK", "JV"
310             targetRow& = SeekTbRow&(WkWk, "ValMo", fStrtMo%, fEndMo%, "Top")
311         Case "AP", "AR", "MW"
312             srcCol% = Col_InArray(pSName$, mthCNM$)
313             targetRow& = SeekTbRow&(WkWk, mthCNM$, fStrtMo%, fEndMo%, "Top")
314     End Select
315     If IsCMDTNull Then 'Current Month Data
316         dbMonthTop& = dbBtmBorder&
317         dbMonthBtm& = dbBtmBorder&
318     End If
319     RowArray(0, iw%) = dbMonthTop&
320     RowArray(1, iw%) = dbMonthBtm&
321     RowArray(2, iw%) = dbBtmBorder&
322     RowArray(3, iw%) = IsCMDTNull
323 End Sub
324 Rem Defining CellRange for preparation of BS/PL/CF and Account Analysis
325 Sub SetSrcRange(mthCNM$, ByVal fStrtMo%, ByVal fEndMo%, srcCNM$)
326     Dim tCol%, fRNM$
327     Rem ===== BK =====
328     tCol% = Col_InArray%("BK", srcCNM$)
329     setRowArray& "BK", "ValMo", fStrtMo%, fEndMo%
330     fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
331     fRNM$ = fRNM$ & CStr(dbMonthBtm&)
332     Set BKRange = WkBK.Range(fRNM$)
333     If srcCNM$ = "ActCD" Then
334         If APUse Then '===== AP =====
335             tCol% = Col_InArray%("AP", srcCNM$)
336             setRowArray& "AP", mthCNM$, fStrtMo%, fEndMo%
337             fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
338             fRNM$ = fRNM$ & CStr(dbBtmBorder&)
339             Set APRRange = WkAP.Range(fRNM$)
340         End If
341         If ARUse Then '===== AR =====
342             tCol% = Col_InArray%("AR", srcCNM$)
343             setRowArray& "AR", mthCNM$, fStrtMo%, fEndMo%
344             fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
345             fRNM$ = fRNM$ & CStr(dbBtmBorder&)
346             Set ARRange = WkAR.Range(fRNM$)
347         End If
348     End If
349 End Sub
350

```

```

131 If MWUse Then '===== MW =====
132     tCol% = Col_InArray%("MW", srcCNM$)
133     setRowArray& "MW", mthCNM$, fStrtMo%, fEndMo%,
134     fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
135     fRNM$ = fRNM$ & CStr(dbBtmBorder&)
136     Set oMWSDesc = WkMW.createSearchDescriptor()
137     Set MWRRange = WkMW.getCellRangeByName(fRNM$)
138 End If
139 Rem ===== JV =====
140 tCol% = Col_InArray%("JV", srcCNM$)
141 setRowArray& "JV", "ValMo", fStrtMo%, fEndMo%
142 fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
143 fRNM$ = fRNM$ & CStr(dbBtmBorder&)
144 Set oJVSDesc = WkJV.createSearchDescriptor()
145 Set JVRRange = WkJV.getCellRangeByName(fRNM$)
146 End If
147 End Sub
148 Function ExamAllTopRow(ByVal vMonth%, ByVal xTB$) As Boolean
149     ExamAllTopRow = True
150     targetRow& = SeekTBRow&(WkBK, "ValMo", vMonth%, cMonth%, xTB$)
151     ExamAllTopRow = ExamAllTopRow And IsCMDTNull
152     targetRow& = SeekTBRow&(WkJV, "ValMo", vMonth%, cMonth%, xTB$)
153     ExamAllTopRow = ExamAllTopRow And IsCMDTNull
154     If APUse then
155         targetRow& = SeekTBRow&(WkAP, "ValMo", vMonth%, cMonth%, xTB$)
156         ExamAllTopRow = ExamAllTopRow And IsCMDTNull
157     End If
158     If ARUse then
159         targetRow& = SeekTBRow&(WkAR, "ValMo", vMonth%, cMonth%, xTB$)
160         ExamAllTopRow = ExamAllTopRow And IsCMDTNull
161     End If
162     If MWUse then
163         targetRow& = SeekTBRow&(WkMW, "ValMo", vMonth%, cMonth%, xTB$)
164         ExamAllTopRow = ExamAllTopRow And IsCMDTNull
165     End If
166 End Function
167 Rem <<< Getting the top and bottom row number of the Journal Entry belonging to the period in question>>>
168 Rem For BK and JV, the procedure is straightforward, because the first key of sorting is accrued month column.
169 Rem The minimum number obtained will be the top and the maximum number obtained will be the bottom. Those
170 Rem numbers will be obtained by changing the month as the search word from starting to the ending of the period.
171 Rem For AP,AR,MW, the procedure is not so simple as in the case of BK and JV, because the sorting key is not
172 Rem accrued month column and the row for calculation is different from that for presentation. The row for
173 Rem calculation is required as in the case of BS/PL preparation and Account analysis, while the row for
174 Rem presentation is necessary as in the case of print out.
175 Rem (dbBtmBorder must be obtained prior to getting dbMonthTop)
176 Rem (If IsCMDTNull is True for setTopRow(), it is also true for setBtmRow().. In this case, fStrtMo=cMonth%)
177 Rem (For CF preparation, PaidMo is assumed to come always after cMonth%)
178 Rem =====
179 Function SeekTBRow&(ByVal WkWk As Object, mthCNM$, ByVal aMonth%, ByVal zMonth%, ByVal sTB$)
180     Dim oCellRange As Object, fRNM$
181     dim srcCol%, fMonth%, fName$, fTopRow&, fBtmRow&
182     IsCMDTNull = False 'Omission of this initialization will screw up pgPlan()(2006/12/04)
183     fName$ = WkWk.getName()
184     Select Case Ucase(fName$)
185         Case "BK", "JV"
186             srcCol% = Col_InArray%(fName$, "ValMo")
187         Case "AP", "AR", "MW"
188             srcCol% = Col_InArray%(fName$, mthCNM$)
189     End Select
190     Set oCNMDesc = WkWk.createSearchDescriptor()
191     fRNM$ = Calpha(srcCol%) & CStr(2) & cjc$ & Calpha(srcCol%) & CStr(65536)
192     Set oCellRange = WkWk.getCellRangeByName(fRNM$)
193     fTopRow& = 65535
194     fBtmRow& = 2
195     fMonth% = aMonth%
196     Do While fMonth% <= zMonth%
197         fTopRow& = myMin(fTopRow&, getFirstRow&(oCellRange, Cstr(fMonth%)))
198         fBtmRow& = myMax(fBtmRow&, getLastRow&(oCellRange, Cstr(fMonth%)))
199         fMonth% = NextMonth(fMonth%)
200     Loop

```

```

351 If MWUse Then '===== MW =====
352     tCol% = Col_InArray%("MW", srcCNM$)
353     setRowArray& "MW", mthCNM$, fStrtMo%, fEndMo%
354     fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
355     fRNM$ = fRNM$ & CStr(dbBtmBorder&)
356
357     Set MWRRange = WkMW.Range(fRNM$)
358 End If
359 Rem ===== JV =====
360 tCol% = Col_InArray%("JV", srcCNM$)
361 setRowArray& "JV", "ValMo", fStrtMo%, fEndMo%
362 fRNM$ = CAlpha(tCol%) & CStr(dbMonthTop&) & cjc$ & CAlpha(tCol%)
363 fRNM$ = fRNM$ & CStr(dbBtmBorder&)
364
365     Set JVRRange = WkJV.Range(fRNM$)
366 End If
367 End Sub
368 Function ExamAllTopRow(ByVal vMonth%, ByVal xTB$) As Boolean
369     ExamAllTopRow = True
370     targetRow& = SeekTBRow&(WkBK, "ValMo", vMonth%, cMonth%, xTB$)
371     ExamAllTopRow = ExamAllTopRow And IsCMDTNull
372     targetRow& = SeekTBRow&(WkJV, "ValMo", vMonth%, cMonth%, xTB$)
373     ExamAllTopRow = ExamAllTopRow And IsCMDTNull
374     If APUse Then
375         targetRow& = SeekTBRow&(WkAP, "ValMo", vMonth%, cMonth%, xTB$)
376         ExamAllTopRow = ExamAllTopRow And IsCMDTNull
377     End If
378     If ARUse Then
379         targetRow& = SeekTBRow&(WkAR, "ValMo", vMonth%, cMonth%, xTB$)
380         ExamAllTopRow = ExamAllTopRow And IsCMDTNull
381     End If
382     If MWUse Then
383         targetRow& = SeekTBRow&(WkMW, "ValMo", vMonth%, cMonth%, xTB$)
384         ExamAllTopRow = ExamAllTopRow And IsCMDTNull
385     End If
386 End Function
387 Rem <<< Getting the top and bottom row number of the Journal Entry belonging to the period in question>>>
388 Rem For BK and JV, the procedure is straightforward, because the first key of sorting is accrued month column.
389 Rem The minimum number obtained will be the top and the maximum number obtained will be the bottom. Those
390 Rem numbers will be obtained by changing the month as the search word from starting to the ending of the period.
391 Rem For AP,AR,MW, the procedure is not so simple as in the case of BK and JV, because the sorting key is not
392 Rem accrued month column and the row for calculation is different from that for presentation. The row for
393 Rem calculation is required as in the case of BS/PL preparation and Account analysis, while the row for
394 Rem presentation is necessary as in the case of print out.
395 Rem (dbBtmBorder must be obtained prior to getting dbMonthTop)
396 Rem (If IsCMDTNull is True for setTopRow(), it is also true for setBtmRow().. In this case, fStrtMo=cMonth%)
397 Rem (For CF preparation, PaidMo is assumed to come always after cMonth%)
398 Rem =====
399 Function SeekTBRow&(ByVal WkWk As Object, mthCNM$, ByVal aMonth%, ByVal zMonth%, ByVal sTB$)
400     Dim oCellRange As Range, fRNM$
401     Dim srcCol%, fMonth%, fName$, fTopRow&, fBtmRow&
402     IsCMDTNull = False 'Omission of this initialization will screw up pgPlan()(2006/12/04)
403     fName$ = WkWk.Name
404     Select Case Ucase(fName$)
405         Case "BK", "JV"
406             srcCol% = Col_InArray%(fName$, "ValMo")
407         Case "AP", "AR", "MW"
408             srcCol% = Col_InArray%(fName$, mthCNM$)
409     End Select
410
411     fRNM$ = CAlpha(srcCol%) & "$2:" & CAlpha(srcCol%) & "$65536"
412     Set oCellRange = WkWk.Range(fRNM$)
413     fTopRow& = 65535
414     fBtmRow& = 2
415     fMonth% = aMonth%
416     Do While fMonth% <= zMonth%
417         fTopRow& = myMin(fTopRow&, getFirstRow&(oCellRange, Cstr(fMonth%)))
418         fBtmRow& = myMax(fBtmRow&, getLastRow&(oCellRange, Cstr(fMonth%)))
419         fMonth% = NextMonth(fMonth%)
420     Loop

```

```

If fTopRow > fBtmRow Then
    IsCMDTNull = True
Else
    If sTB$ = "Top" Then
        SeekTbRow = fTopRow
    Else
        SeekTbRow = fBtmRow
    End If
End If
dbMonthTop = fTopRow
dbMonthBtm = fBtmRow
End Function
Function getFirstRow&(ByVal sRange As Range, sWD$)
    Dim oFound As Object
    oCNMDesc.SearchString = sWD$
    oCNMDesc.SearchBackwards = False
    Set oFound = sRange.FindFirst(oCNMDesc)
    If Not IsNull(oFound) Then
        getFirstRow = oFound.CellAddress.Row + 1
    Else
        getFirstRow = 65535
    End If
End Function
Function getLastRow&(ByVal sRange As Range, sWD$)
    Dim oFound As Object
    oCNMDesc.SearchString = sWD$
    oCNMDesc.SearchBackwards = True
    Set oFound = sRange.FindFirst(oCNMDesc)
    If Not IsNull(oFound) Then
        getLastRow = oFound.CellAddress.Row + 1
    Else
        getLastRow = 2
    End If
End Function
Function getBtmBorder&(wName$, colNM$)
    Dim fWK As Object, vmCol%
    Set fWK = oSheets.GetByName(wName$)
    vmCol% = Col_InArray(wName$, colNM$)
    getBtmBorder = GetLastUsedRow&(fWK, vmCol%)
    If fWK.Name() = "BK" Then
        Rem Do Nothing
    Else
        Do While UCase(CellString(fWK, getBtmBorder, 1)) <> "ENDLN"
            getBtmBorder = getBtmBorder - 1
        Loop
        If getBtmBorder <= 2 Then
            aSName$ = fWK.Name()
            MsgBox "ExtraDataBaseArea"
        End If
    End If
End Function

```

```

421 If fTopRow > fBtmRow Then
422     IsCMDTNull = True
423 Else
424     If sTB$ = "Top" Then
425         SeekTbRow = fTopRow
426     Else
427         SeekTbRow = fBtmRow
428     End If
429 End If
430 dbMonthTop = fTopRow
431 dbMonthBtm = fBtmRow
432 End Function
433 Function getFirstRow&(ByVal sRange As Range, sWD$)
434     Dim oFound As Object
435
436
437     Set oFound = sRange.Find(what:=sWD$, Lookat:=xlWhole, SearchDirection:=xlNext)
438     If Not oFound Is Nothing Then
439         getFirstRow = oFound.Row
440     Else
441         getFirstRow = 65535
442     End If
443 End Function
444 Function getLastRow&(ByVal sRange As Range, sWD$)
445     Dim oFound As Object
446
447
448     Set oFound = sRange.Find(what:=sWD$, Lookat:=xlWhole, SearchDirection:=xlPrevious)
449     If Not oFound Is Nothing Then
450         getLastRow = oFound.Row
451     Else
452         getLastRow = 2
453     End If
454 End Function
455 Function getBtmBorder&(wName$, colNM$)
456     Dim fWK As Object, vmCol%
457     Set fWK = Workbooks(GLName).Worksheets(wName$)
458     vmCol% = Col_InArray(wName$, colNM$)
459     getBtmBorder = GetLastUsedRow&(fWK, vmCol%)
460     If fWK.Name() = "BK" Then
461         Rem Do Nothing
462     Else
463         Do While UCase(CellString(fWK, getBtmBorder, 1)) <> "ENDLN"
464             getBtmBorder = getBtmBorder - 1
465         Loop
466         If getBtmBorder <= 2 Then
467             aSName$ = fWK.Name()
468             MsgBox "ExtraDataBaseArea"
469         End If
470     End If
471 End Function
472 End Function

```