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Document=ThisProject/&H00000000
Module=Auxiliary
Module=Rollup_Formatting
Package={AC9F2F90-E877-11CE-9F68-00AA00574A4F}
BaseClass=frmRollUp
Module=PERT_Analysis
BaseClass=frmSetPertWeights
Module=Adjust_Dates
BaseClass=frmAdjustDates
Module=Format_Duration
BaseClass=frmFormatDuration
Module=Analyze_Timescaled_Data
BaseClass=frmAnalyzeTimescaledData4
BaseClass=frmAnalyzeTimescaledData3
BaseClass=frmAnalyzeTimescaledData2
BaseClass=frmAnalyzeTimescaledData1
BaseClass=frmAnalyzeTimescaledData5
Name="ProjectGlobal"
HelpContextID="0"
CMG="FBF95259495D495D495D495D"
DPB="F6F45F66A19A9D9B9D9B9D"
GC="F1F3589D599D5962"

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[Host Extender Info]
&H00000001={3832D640-CF90-11CF-8E43-00A0C911005A};VBE;&H00000000

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[Workspace]
ThisProject=0, 0, 0, 0, C
Auxiliary=22, 22, 520, 388, C
Rollup_Formatting=110, 110, 608, 476, C
frmRollUp=0, 0, 0, 0, C, 154, 154, 652, 520, C
PERT_Analysis=176, 176, 674, 542, C

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frmSetPertWeights=0, 0, 0, 0, C, 22, 22, 520, 388, C
Adjust_Dates=44, 44, 542, 410, C
frmAdjustDates=0, 0, 0, 0, C, 88, 88, 586, 454, C
Format_Duration=110, 110, 608, 476, C
frmFormatDuration=0, 0, 0, 0, C, 154, 154, 652, 520, C
Analyze_Timescaled_Data=176, 176, 674, 542, C
frmAnalyzeTimescaledData4=0, 0, 0, 0, C, 44, 44, 542, 410, C
frmAnalyzeTimescaledData3=0, 0, 0, 0, C, 66, 66, 564, 432, C
frmAnalyzeTimescaledData2=0, 0, 0, 0, C, 88, 88, 586, 454, C
frmAnalyzeTimescaledData1=0, 0, 0, 0, C, 110, 110, 608, 476, C
frmAnalyzeTimescaledData5=0, 0, 0, 0, C, 44, 44, 848, 545, C

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ThisProjectThisProjectAuxiliaryAuxiliaryRollup_FormattingRollup_FormattingfrmRollUpfrmRollUpPERT_AnalysisPERT_Analy
Begin {C62A69F0-16DC-11CE-9E98-00AA00574A4F} frmAnalyzeTimescaledData1

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  Caption      = "Analyze Timescaled Data Wizard - Step 1 of 5"
  ClientHeight = 3585
  Clo400001_   8su8CompObj 9v#aVBFrame aWf40000

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  ClientTop    = 330
  ClientWidth  = 6270
  StartupPosition = 1 'CenterOwner
  TypeInfoVer  = 68

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End

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2TbIThisWizardect5imgStep1VERSION 5.00

Begin {C62A69F0-16DC-11CE-9E98-00AA00574A4F} frmAnalyzeTimescaledData2

Caption = "Analyze Timescaled Data Wizard - Step 2 of 5"
ClientHeight = 3585
ClientLeft = 45
ClientTop = 330
ClientWidth = 6270
StartupPosition = 1 'CenterOwner
TypeInfoVer = 11

End

Microsoft Forms 2.0 FormEmbedded Object9q4(!Select the fields to be exported:nge]5Tahoma(
5Tahoma!
5Tahoma(H@]4+RQDBTahoma\$@2TbISelectTheFieldsToBeExported4
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4IstFieldsToExportsToVERSION 5.00

Begin {C62A69F0-16DC-11CE-9E98-00AA00574A4F} frmAnalyzeTimescaledData3

Caption = "Analyze Timescaled Data Wizard - Step 3 of 5"
ClientHeight = 3585
ClientLeft = 45
ClientTop = 330
ClientWidth = 6270
StartupPosition = 1 'CenterOwner
TypeInfoVer = 73

End

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\$TtxtFromq5Image1VERSION 5.00

Begin {C62A69F0-16DC-11CE-9E98-00AA00574A4F} frmAnalyzeTimescaledData4

Caption = "Analyze Timescaled Data Wizard - Step 4 of 5"
ClientHeight = 3585
ClientLeft = 45

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ClientTop = 330
ClientWidth = 6270
StartUpPosition = 1 'CenterOwner
TypeInfoVer = 18

End

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ClientLeft = 45
ClientTop = 330
ClientWidth = 3315
StartUpPosition = 1 'CenterOwner
TypeInfoVer = 471

End

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74cmdOK]*,;8cmdCanceligh]VERSION 5.00

Begin {C62A69F0-16DC-11CE-9E98-00AA00574A4F} frmRollUp

Caption = "Rollup Formatting"
ClientHeight = 3615
ClientLeft = 45
ClientTop = 330
ClientWidth = 4875
StartUpPosition = 1 'CenterOwner
TypeInfoVer = 791

End

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a33e8fce3*Dw+xAdjust_Dates

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c33e8fce5*D+Format_Duration
d33e8fce5*D6+frmFormatDuration
e33e8fce7*D;+Analyze_Timescaled_Data
f33e8fce8*D+d]2frmAnalyzeTimescaledData1
1433e8fceb*D+h2frmAnalyzeTimescaledData4
1133e8fcea*D9+2frmAnalyzeTimescaledData3
1233e8fceb*D%+82frmAnalyzeTimescaledData2
1333e8fceb*D+PX$2frmAnalyzeTimescaledData5
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' h $ d :! hA@4h 6Create the array required for Opentext method in Excel
CPcedure opens a text file as strFileName in the strDir directory. 7Gives the user an alert if such a file is already open.Z
"the path AND filename of text file . '2 40 2 u 4 f f d :! hA@4 ( ) ( $Maximize Excel Wind
<Procedure that creates the formulas for Total entries in the Excel WorksheetZ Z Z Z Z Z Z '!'>?Cal
$ < ~7@ < ~ 6 7@ %F(nh h x n 'l X FProcedure that formats the rows of t
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6 'N 9If there is more than one task/resource we have the below /formula to calculate the first Total field row, 5but if th
HQE 'L HQE 'Lk P
OInitialize rngRange to the first task/resource row containing the current field =Note that this is merely to define m
l
'Function that returns the constant from PjTimescaleUnit that is !referred to by strTimescaledUnits FHQE z' HHQE |
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k\$%hpfhY>Returns a string of dates from strStartDate to strEndDate in strTimescaleUnits incrementsZ\$%\$.!`?h>Returns the number of timescale buckets from strStartD
\$%!.b'f>=`GProcedure that plots a graph of the timescaled data exported into ExcelZ(Z@ZXZ
>
%"\$4 %"\$4 OField has a different unit from primary Y axes, so it is made
!/' T D!h \$!,ln

B@
Format the chart!
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9: #9<9>9@7"(BnP2hH2 !
B@D %F(,Make the Chart toolbar visiblel1`AFunction that returns the name of the axis in the graph gi
'L U LU HQE'sngValue has two decimal places d'L U L
/if the tenth's place is zero append zero beforeHe.g. if number is 10.01, lngDecimal = 1, so we want append zero's b
/if hundreth's place is a zero h*h*&Now append the lngDecimal and 2 zero's LU HQE'sng
/if thousandth's place is a zero h(h)h)&Now append the lngDecimal and one zero LU HQE
#if ten thousandth's place is a zero h'h'h'h'h'h'h&Now append the lngDecimal LU 'k&f
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Const COSTaCostt
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Work

PERCEN@PercenTOTALTotal.STATUS_RTINGStart`ng...-L AUNCH _EXCELaunch4cel
pEXPOVB "d`h to

FORMAT%ForHmat% w<s>heet iAQPLOPloC graphY

DO`NE@Donel@MSG_NO<You do not have Microsoft3 5.0 orj }your maLe. PleEiYall, and the`n
orAe range5rger@ unitsDS`tep 3!Wsrds#kTEX`T_2NAM`J0" 'S@hould @nPolo`r`\$8 charact`erl`
'O@Br`YwnEu((ed)CFONT_Sl2ZB12' /nt siz`Pf t`e`sn"@`g) @Kcm :3G0`CBk \$8@pIN`
g3`values` Rg@ (e)""(s 1K2 D?`c(ROW04`R`ow?`N`M_
P7s`d Se(1 is f`AProj`6 QV`A_`A2`w`B3`qJfi`P`tas k/res`hce`@ED:S_C)`H`jq`e`
MbS`w_AprL2.hApp `a`<S`UMIF_IN`#"@O`Qi`f`!_b5pzR`S`let`Y`?`@?ref`S`!ma`r`
C`o`3` %MAXEwy`p`p`ipls`eef`tnumb@`^`t\$9/-`'avail`w
CURRENCY_SPYMBOL`\$`f`E7curre`ncyQ8p`8`#`##0.00`#DECIMAL_SEPAR`ATOR\$.`v`d`#`
qstrListSeper`atPO`3`QiP` Sub cm`dBack_CP9`k(`E`Hid`e` t`B`4`alogbb`w`f`
qw`S`*DEL`t`?`4.`pw
E`H`

d`Ca;|!`ro` /`1`hbcedu`do`ufoll4owP":P 11.. `DH`2.`t`s(1r`Bq {`q)`
Dim strStartDate As Strin`g

|End:Times`edUnits`intC@ounterlgerbobjSelectiobn Objl`stField[`ListBoxInTaskView<Boolean`Se@t Glob`l`sepera
s,also` need/`e`"delimi`usby the OpenText method inExport_`a`f`un`#`Se`= Chr(V6XDis` , Ca
.En`d = F@6`1`&CEOe mo`B po`@o a h`ourglas%frmAnaly`zeG`5.MABP= fm H`@GG`lbl`
0Visi@`@ATR`uA`\$Repa`1C`1. a. CreA`an <ExA`%LAUNCH`%_EX`CEL`La Gh_
d`b. (Mak`WeJ v`\$@B turn`f screen` upd` B
Q#`SU`H`WindowA2e -4140` `Min@ezi#`2. Gjinforma`9`zobt 0 `a`
/F@

o`ubxov`wa`sk`resGcelf \$sE(A`qveProa`.Current` T,he`@ `= `GEls`H`m` If#`'`7a`
E`F. `ccYS" `fC`#`e`'=2`0`0`q`r2.VToS`^`S`%dGs`Rb`e`
?`s`33#`ale`a3`.txtF*.r&`T`oy`
e`

t` u`9`
tr`ogcb`oB`'3.PS`y`uaF`~Q`plot`
]VgEXP`Ohg?;#5`0`e`&_QpiF, , ,`C`S`'z`vby{`origiPz`vb`{`|Defa`ult
T`h`d`d` kO\$WO`FDONE`/ `I`nNlg6>I3`7`M`MaxCl`!IT
R"macrNo3`
S`ub1Priv` }(`h`cedur`r`o`S`P(`
0`G`8`!`

'\ pro`firs`t0`ecks`
ql0`dy ru\$nn0]. i`n`ot, i`0`w`!an't f`wSVerbsC5.0@`v1`
r, `wpoBn`withAe`rr@`sags`O`FRGoTo#`1`ti`=!`s`, (MS_R`_APP)`E`pNbWh`5Qf`Ex` b

'Procedure that@ exporFdata to Excel and@ formatHhe in

Dim htss`a`yS`yValues #v\$#intNum`!Intpeger`N|am`6`|`

Path`+
Fil`eInput`P`CouFr`J`Sel`ionbInSummaryBoolean`L`InseprtediA`GhostTask`I`R`MoreThanOne8Ro
o` `ibffoli`dF`
C

'ex`s`Eb c: ,j= Dir(C &, vb`Dp!`#`!`a`on`o`Dno` cr`eA`itG`g" `(Mk@`K`@ E
B`= `1`Gd`d* such@7`02`!`Kd` "Open`
t`Z`940`/be`xe;`F`4`z`T` I`!"", "XT_FILE_NAME, 1`CS`Ib`8`C` (pro|h`lto
p`P`t`#1, Active`dj.qxS(L`-`in %`Z`T`Q`specifi`ed by`V`S` `SepelrapD` A`o`&W1Z_v_`i(`L`tV`
8`

Hg`M`F`or Ea&ql`^nz#a0:N`9(`Ss` h`)RI35`CAW`\$ee`AGa`V` `Fwa`u`_%`r`0`@`
@`qv?`W`Ex`ter`= }`/ ZO`'Skinq`nd@-`%P

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@3`*C`er`30 Tol`|`Alf ZComp(Unit_T`ype(IstC`"A`er)), PERCENT@_TYPE)chen
,`_Name(blnTaskView, `FIELD_
ALLOCATI(ON) <> ?`&`?A`7@`er`, x`e`G`'_GValuea*`)`End If`m`Next@`!`
`Sub`Priv`@ A{8at_`^`ZAs` Intega$8MoreThanOne`Boo`lean P`Box,!7y`x'Proced!!vthat`Bat
'`{ toP havS`s& `u@-s aes`9tiGj`
Dim(a`
`t`İtepoP`UTLong`UsAStrP?=`L`E`_Prn`gr/1`Ob`
`*`
`Tem2
`
`m`^`VersG`p`rws
so`$`=CsS+` 23S'@I`PO0is m`&` anT o`Pt`C/`o"uS we`be`low`Йg` p#_`U Qg,Tb`0`if`
no`V`"H so`ju`s6e@9`oa`ar`S`5T`M`#q#?o`j`UH`N`E`yc`
`C%H'`0S`.de i`i`0numb`g`rowp7o skip` beP`it`#R: `naL`#`=c`
5<`3`%r]3jpp?t`{`12# Case ?`p`p`p`rTI`ME`q: `G.Default`Work`19pjMinutes`GD= MINUTE_
CURRENCYo*si0k*CurrencySymb`olPosiq`"
Case pjBefore:
`@strFormat = CURRENCY_SYMBOL &"FORMAT_IN_EXCEL`sAfter?-r`{`r`Wi@thSpac`w"| "`z`@`E`End Sele
`$A`K`DECIMAL`D`9!`^ ob@jExcel`&'Initialize rngRange to the first task/re sourc`ow containing`curr`er
(START_ROW + intCou`n`p)k`
`U To (lngF`"TotalFi@`J Stjep`1{`
`(@`
Txempa`.Union(r`=1`
Nex`t`'T`Au!` of`ba`!`!`used`st`ead`jus`o`'` beca`H return;Az).NuxmbeG`xG!fW` `#`$C`#`g'Do
`
`Cells.Entire`.Auto`Fit 'a`f`all@`#)`&CWidt`h`2C+9
`Sub`
PrivaHFuncp0 Times@caled_`&ts(`!7" AsU<r`)|`Bg`er
'Ft`LG`*`R0sta!Pr`om Pj`-`OisrefeE`Rd`Oby`
`
`ck`c_3APiIOD_DA`YS`k`
`pp`xDay@`@`W8EEK`Week`RqMON\TH`M2h`QU\ER`Quar@_/_q"YEA`"Y`ear`R'`
m`s_`d_Nam`e)`(`q`DS`(aFqzc`x. `]`6,0zt1`Hn f`!Pj`
"%Data e`numO+@Q`qA`*FIELD_ACTUACOSTL+_P`_edA`ctualColf`,`jOVERTI`ME_WORK`_`dC`Over`
`
w`Oe`o y`
WP`CWPBASE`LINE_/`*F=0`edB`?`D`?`t`')`B`-I`= `S`_
_?

`
V` Assignment_Field_Name = pjdTimescaledCV
`Case FIELD_OVERALLOCA(TION:FV+`Overall`ocationmTIME_WOR
K>ItnWork5REGULAR`4Regular`4SV:dS`>`+End Sele$ctJ
AFunc`i
PriXvat` ũ(blnTaskView As Boolean, 8strB`St ring)`Integer
' that r@eturnse constanferred to by`. The`iaken fro2m`PjA`Data enum o PjResource`depend`- on `whetherf
CUIf`J{`'@D`G`Ci`WGA`wACTUAL`_COST`P`8`%Actual`Cos`Ba`A`v!`IA`u`
0_`J`Kt`WP`$CWPv/BASE`LINE`/`/B`line`/&_`"k%"B`"CWS

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S, [#O* CUM TI V7 Cum tiv[7 PERCENT DMPL ETE #5Pe ntComple t Q!5x; # /;k Q'
F | | _ eQ Y ?f=1% * * @Oq OD }op d} o d?~ A .
Case FIELD_OVERALLOCATI8ON:NV OverallocationhTIM@E_WORK5gt! WorkePEAK_UNITS11PeakUnits /RCEN
AFuncú
Pr0ivat@ Get_F_Str C(blnTaskView As Boolean, obj @ Obj, st rStartD Pg) Wac)G
'Re turns a!A of d's from tos
in i ncrementf $Dim tss- a a s Va lueDkcvB w ! sagintCounte r r lger ` .F dFirs tRo/ '6 `the fA
.E x 0nala a% (T rud/ W ew?
_
We nd= Set ` =
}. c e( -y }, pR|ACTUAL_CO`ST), 1 _Or:a7"))S
Fa -Each
8I neaV8=A@9*&. J& Li stSepP to 8Nex #s R ng C V V VNum8WBuck etsOWOWn COW \
SOVOV kOVO9OV _OV Y OV dOV3a1?L 3hOV: OV [og OV1!vq=
@ P OV YP o // OVOV
LongCarngRange 1 Z Temp ,m mQLa~s 2 M @m aryAxis1 Type s^w TSe@ d r Y
Dim blnHasTwoUnitTypes Boolean int Field: :8Row |t= IsF.Lis 'Numb of ffto be graphed
J'Get primary value(Y) axis for th1-^T
-, de e mined by first F select in SteOp 2 T 6wi zarOblf@rComp( _ (x(0)), DECIMAL_TYPE) =8 0 T $s
(S oioion * D + 1) + AN Q C(IJ La lumn K Co s "2 C range Time a 4 C
(MT emp w
A
W on(eA, 1 Next ?
4a' = DFa i'Fi`0o:u f have Za wo u@ ta 'c`E t , sp ecif# s ?Ptitl{ % s eco
?f "a L J H > diff erent Hfr omF Y es Eo i@Rs ma2 d he@ ĴB y .!
S #! \1 i 5 s y S Q "b Jb 2LA q 9Tru xn JX ] #p e z # # / ) /b //x es % / /
:CH NAME 'Assig n eachr appro@ 0k iM
, я 5 / ] / ] ? Y ( [ z 0) xg same unit as primary Y a@xes
.SeriesCollection(intCounter + 1).AxisGro@up = 1 Else FieOld h
sePcondK 2 nd If Nexdt p
ues(2, 2).HasTitle z Truq .Charac s.T4= st rY Sy 7 < tArea.Fo@nt.Siz < CHART_FON T_SIZE =IB
onlye0 y-a Gob@jExcelB:t s.Add 2A ve 5 Wizard Source:=rngRange, _GM Ga rry:@=-4101
p
2B@
[categoryLabe ls:=s
* Legen8d:=A ` *m:=! HProj .N Z
.DfrmAnalyzeTimescaledData3.cboU ` s.Va
UP c'Format@ the c t G6 K &C >G'; j [NAM Z a iE#L hra!C6 .Left@ :.To 400 LA
aSub b c-e FunB j A _ w(@h!oType As String)
'fth hret urns na@ <ofb bgr given ! tA a f AS Ca jse g # CURRENCY_ TYPE: !COST
q KcDefau ltWork2 pjM tA9 ^H@{s?e- W/ 60 / 1 'pjDay m = (60x * B H) Week , t.
) < 0 Then '0 fp/neg@gv lin 's beginn Chr(45! a Y2p w<), (0:a 2' dojn `h
a t
"2/# two <6) 10r_ Number_with_Decimal = SDtr & Ch(Abs(Fix(sngValue))) & DECIMAL_SEPARATOR
D
If flng / 10) m0 Then-8'if the tenth's place is zero a ppendbeforeAe.g4. Fn ;10 .01, = so we w8ant,-to obtain b.C
x at hous a x $ { , r ? ?of a>o ne_T # >nT

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|=5e=m5 or m="_nq_n=> )t
n dG>CPr'> &&&&22y/>t
ns n _ _ ?> +//Woa_{e nPK? b5i b _K{H DEL _M _MUMK2 DEL
Funciop
Private 5 sW As Single Integer
'urnfsR $ ofuQ s Pup` 5 C 4. (N5 , re a0 W` "s` * >=k DEL NwEl s a/y R
ElseT If (sngValue * 1000) Fix,Th en I 3) I4 ^ K %5 %nd If= E
Funcio@f x r + + X$
@ (
8 H DP
" H 68 p x
( 8 D@
" H 6 H P X $`
F 2 X
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dCre{blAiFalsePredeclaDIdTru
"E`xpose@TemplateDerivCus@tomizaD

Option 1licit

'LoSSngs

Const MSG_TOO_MANY@_UNITS Fields selectAin Step 2 have more than two unit types. If you wish to plot a graph of
rd, - f4witxh n aG,INVALID_DATE+This Aa valid e, or outsid e range f'es, whichA January 1, 1984@8

6FROM_AFTER@eC6e 'From: 'B4aft#'To. Re enB6 soi f@' @beA!E@\$
P Sub cmd Add_C@k()ProceduC't remo(ves@eOtem f@. "AvXail@:@'li and a d e "O Ge
EintIndex E'l"ger Posi"d blnSe^Boole,an O@krr@'GoTo No Eff>On# = b| 'N om#ou ye`t a = 0

L e. q + %E 9IfG Nex 2 Q' +u #T" | =ihnsn' t Q fo >! :libk\$

Ae, AS'disBA # ton.

/D Qo A.En ae #, Mak@

RBE B, FLinae s v e# P a?X0C_To

9 Ex M S

B: M B)W _DbIXByVal CancelaNMS?ms. ReturnDKoZ oZ}qToZ oZpFa} oZeZSZZ Z Z < 6

DEL9DEL9DEL9Wt98ut8DEL8 DEL81 y8*T *Q' 6m@| 66d 1 DEL6@! ? 5 5

1, pha -C + b < >

Q/ +] S #3 | t * DEL DEL .o| / ^ 5/t 5BBo cBz} + \$ n O9O9|Ke 8s 9

, h +4t p

o s ?4

d /> 5 ^5 @a A QGv ifq yB a T g4fc box NM leFields.ListCount > 0 T@hen

cmdAdd.Enabled = True End IfExit Sub

NoEffectOnRemove:

d6

Private* Ist ToExport_DblClick(ByVal Cancel As MSForms.ReturnBoolean)

'Procedure @that rrs e sel item from "7 to)8:" ! a kadds cthe "Avail :

yDim Ostrl/QString

int Index_In teger ~ = 2(& Om@d, 'If M Risn't at Yst oneE Pin UQ E, 8dis

o 'wizaDrd\$Be@e0 hid@UC2, check i ?@](4 `>Di 5'd ;dely. gis, @ uld be bA

d 1as well#not, =AKn P 1 ? @F %8L frmAnalyze Timesca Data1.6c E

J h(IG lu 2. < S =YG GA!@macr odn A 6 !H Fes F L C"QCplay5rblnGoto=AI5 \$ E = H

T (< |3)A L *I - Alertrb = a ; |rGcio n go b J = '0sB7qMsgBox {G_TOO_MANY_UNITS, B# :=vbExc

(e a3.txtFrom

hINVALID_DATEOOO DEL H DEL

S etFocus/?WGSelSta 0' S DEL m.p Length3 = T @ ? ? 3. Uq 1& ` e To ?? 1 1

_S] _ Q _ {2\$ S UI OD{1C ;h G-) @ y a !FROM_ AFTER T??

Set_Defaults_ Step5IfmAnalyzeTimescaledData5.ShowNEnd If

SubPrivate cmdNext_Click()

' the cu@rrent v 2 dialog4 aQs_ fo r!3 oh'9 wizard #3.txtFrom. Focus) ISta@rt = 0 L`ength HT /

p " " B (8

X h x

@h B : 0 H

` p

x > " "

?

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` p

x " " B Page 40

@ P ` p x

(8 H

P

` n x localizable Strings&Z Fields selected

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Bas`0{AA1BE591-2602-11D1-89DA-00AA003D 264D}J57#J
dCre{blAiFalsePredeclaDIdTru
"E`xpose@TemplateDerivCus@tomizaD

Option 1licit
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'LoSngs

Const MSG_TOO_MANY@_UNITS Fields selectAin Step 2 have more than two unit types. If you wish to plot a graph

rd-f4wit8h n a
P@D@F Sub cmdBack_"C9k()9Pr ocedu&t hides-4th@.acro and dis@Yy3
V.H3.txtFrom.SeitFocuX@IStart@^0A ILeng@M= U-GText Show

EHX\Canc\el]@sDZCFinqT65A.' Q>userVhYRQcQmake sG'f^, he/sGdidbTcl
T(A2.lstczTo\rt) < 3)L

u4H`a]_De faults /e u 5. LeE'Ale*764a`vffeprint ayg o b@g#`g MsgBox
& Iu2" plf \$'UZ NOT P Zg 9u 8 | @Y}N } f [[& > Ek0 > > > > > p7\$
r H DELS6 No x3A +

B 6(x

@P
h

x

(@0 Bp :
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@P >X
(

*
(8

@P X`h p Localizable Strings WZ Fields selected in Step 2 have more than
End the macrod <Hide the current Step 1 dialog and show dialog for Step 2 of

the wizard B@
B@pl <Hide the current Step 1 dialog and show dialog for Step 5 of

the wizard 0Check if the dates entered in Step 3 are correct \$!&n\$ 8 d :!hA@4 \$!&B@- \$!&(\$!& \$!&(\$
Z 8 d :!hA@4 \$!&B@- \$!&(\$!& \$!&(\$ B@electe \$B@pm "Ava :If the user has selected to graph

!\$@ B@A@H JB@p sure a 8Alert the user to make a different selection and go back to Step 2
B@pes theha#User selected NOT to graph the datas it t B@ilableA@H JB@p h h h h h h h h h h h

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Currency Type Z$ Time Type Z$ Percent Type Z$ Decimal Type Z$b Do you wish to export timescale
End the macro F This procedure sets the defaults for Step 1 of the Analyze Timescaled Data wizard Z OZ
more than one task has been selected 5B@~5(n ! ! ! !L'h
h
a
only one task has been selected.5B@~5(n % ! % !L'h
h(
7If the currently selected tasks are all external tasks,;disable the Currently selected tasks radio button in Step 1 5(
5B@~5(na H5B@~5(nh h h h n F This procedure sets the defaults for Step 2 o
;Fill the "Fields to export:" listbox with the proper fieldsA@;Fill the "Available fields:" listbox with the proper fieldsA@n
!. B@" $C@Tn 8l 0 0 AFill the "Available fields:" listbox with the relevant timescaled >fields dependin
!. B@" D!H$=If the current view is a task view, fill the Available fields-list box with task-specific timescaled fields
1. days 2. weeks 3. months 4. quarters 5. years $!, FC@T HC@T C@T C@T C@Tn
Z
'B'D'F ! %"$4 HQ B'Bh HQ D'Dh HQ F'Fh HQ F
ZThis function checks whether the new start/finish date entered by the user is valid or notZ
E<If there is an error with the below command, it indicates an invalid date D! :%V' 'a'H $'a(
$
'a'h'h'h's'f
WSet the default bitmap shown depending on what the user selects in Step 4 of the Wizard 8!:n J!L(J!N(a
'DISCLAIMER OF WARRANTY0THE SAMPLES DESCRIBED IN TH"OCUMENT AREp UND!3 CODE.FSH-PROVID)
RISKyIS@I,UOR"PER$MANCEv
REMAINS[p YOUON O EVSHzIITS SUPPLIERS BE LIABLE +RDAMAGE0WHATSOR (FI,
I,
LOSS*@"BU5CF qES, FINTERRUPX, =B-O@>PECUNIARY)VNFACINFTO T,O,H
Option Explicit
Lojizable sngs
Pub Const FIELD_ACTUAL_COSTactually st@@@M@E_WORKOvert@ Wo rk:Wp"CWP3
BASELINEBaseline f{f7B !4C4WS$S3-CoG5,@ TIVCumulativw9 C@L!!TEAh%"mpltetetUM%
V
FIXEDF4Fixed3LOcc AKallZ]sRQ_PEAK_@Peak Units3E+kPercent NA3eCoy2REG`2
\STEP1_L@BL_TASsDo you wish to ex`port Yß d for the +ire project,& `cutly U@,tasks?" RESOURC r a
_d_GH0 c9
ex`_Py`T W Q W`rd c`annot + +se<FILEOP =0do haPta
opePn. OP F, andAn r#macro3
Sub )=() Di@m blnT3View As Boolean
HasGh qfsOCNo8NoRE1lte2mOb!>
Check_if_P?_S'Set*Dbe Tr`ue if + -v is`!+ 3`If Is1(lAcq.6) p,
=-ElseJUpFa)ZllfsS'rTmakuq9hat dB;^;!/3C`)
As.CouP=< 0?c
Else
For Each Item In ActiveProject.Tasksx@If Notfshing ThenX`blnNo = Fa#X.Ext`ernal21T8ruej9aHa sGhstg5
Nex t _Resources.Coun t eOd x7 -% ! @ (n & o N aC*Alert the u@ser if p contain
A2Sub
Private Check_if_$_Op(en(`{ce@dure casa a %file o a

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Dim E As Integer
On Error GoTo F:stc=Exit
Noj=FILEOPEN, vbExcl+VA$/macrogl'L1(1B+oolean+iT+TsetsW}T1s0 Q
' Y!c
OneorMoreSel edx[0kExp+ortabqint"vPcI+nteger+yOb+sA!+Wpith + +De%don (
/U s" '2numbO,h'(by sp gre"A'p
11
aly p x)P>D@be e6ed, so make rP`q, eB/(E+nti`_"W.g43)= " O,tedB,En
If ActiveSelection.Tasks.Count > 1 Then
'more than onx has been sed].optCur@rently edRows.Se@tFocus1;Value = True?For Each lte m In
H<>""[hY?y'the cE F t a pall @Gb, '=disZA
M
radio button in Step 13
O#End typ WEto W4/u8a view is a resourceB,+OneorM"R
9*jT7bu)M6!x=3L`"w%"L o9 t4/
o
g_?Yj_q& =!With9
@d

Private !_Defaults_aS2()

'>procedu Zsets e d f bV2 of A yze Timescal' Data wizar frm7D723'Fi b_"FieldPo
r Worka!Dim ~ As LBox
S!p_edR.Cl+ear SB!O.Add FIELD_WORK,sert_Po sition(, -a/bk1_%<Cs"e rleva
|ew,`D5'1E GE -specific

!#$%&'()*+,-./0123456789;:<=>?@ABCDEFGHIJKLMN OPQRSTUVWXYZ[ ]^_`abcdefg hijkl
.AddItemPOVERTIME_WORK, Insert_Po si#
?"q4h6_pBCWP` (S(S(ASELI|NE*- mZB Z/1CUM ULATIV F[GPERCENT bMPLETE*4+
}}/ /%&hnK DEL DEL DEL DEL T# #x{a6r?9ro N
y
?g?+o6o6i6End If{Wz
Sub
Funcnc stL~As qBox,0 strR0St@ring) Integer
B' thatE'turns" index p of if it w@ere to be i into @ ass.up b alphabeti ly ascending order

Dim intPosition As Integer
:= False
If lstList.Count <> 0 (TheD$there is a"t]st mite l>boxGW= 0Do(Y(StrComp(str*I(,
H(%)) < 0)L!A'P new Js lesser than cur relXfZ,en J'sho ould b xn"@ted juzb efo)"U TruŁmE
AFunc Private Sub Set_Defaults_Step3()
's procedu *set:s Fdd 3%JAnalyze Ti\caledData wizar 5 StartWeek W9frm dG
3cA "From:8" d(jepct s.txt.Val ue = @eF format(A`vePro. b, C_5_!O'AaTo f inish To;
@?+'C6g SSP ,Cas mt pj!_mm_dd_yy_hh AM:g, /_0u a000000A7 yxyy>y_`f<
$yO
1
dEO /&#

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q0O#(MV25--/

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Sub

Function IsTaskView(vname As String)Boolean

' This f:returns 1 if 3<!a S alnd909R?esource=?Dim v?G?Variant?

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On Err5GoTo ?:'lfare ^an Be(withxbelow command, it@ indicQs? ?o0'in?K?\?*?G= Appl?.SDiffA?nce(A? f (Year?< 1984) Or> 2?049?5A?!A?BFa?@

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?Z?Hours??Z?Days??Z?Weeks??Z?@This is not a valid duration unit. Click a value from the list.??Z
Blank Task ?!?? @not a Summary Task j ?%h\$f ?!2 R\$!da??X ?!2 P\$!dh??8 d ?(2a? task is a sum

in

r min, hour, day or weeks #also set default unit. A summary "a and new will be shown at

Options Explicit Localizable Settings

Const M OFI OLEOP B @ You do not have # open. Odd a, !n ruc) gain.

Sub

Check_ihf_P_0_afLrm.I%i aeLis (cbo UA+Se` tFocus_e @ IStart 0 < ILengeth Text#

S@:6E> &A Private (\$%A)"ce le ca) Z]7fi > @c8a

! Dim str As B @ On Err XG oTo NoF

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' a (` h h h s ` f T This shifts all of the constrained dates in the project, so that

End the macro d C This function checks whether the difference between the new project Qstart/finish date

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in

Bas0{AA1BE57D-2602-11D1-89DA-00AA003D 264D}J47J
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tasks inAr project. Mark want up , andn run

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go0 @^gh`5l, t-he blnNoTasksRolledUp Flag is False, then

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5q`!;a`

'`a `nest`;;_?Bb`Y`e`*70!hs|`Th`procedure recu`rsive`!`i`eso`?`s?+)`m`.
`A`@`@`show a`T i,l`k on;`A`h`3`s an`6`sub`-b`o`5V`t4`Gantt`WPg `ID:=

Exit Sub

rrorh`~`C7`o[ViewA`Nam`strCur

P`t`Select Case 8ErrC18?A`1c004`general e` messagehall o`j|=MsgBox MSG_ERROR, Bu`ans
"08"

End the macrol`Attribute VB_Name = "Rollup_Formatting"

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This macro f s r@ ed up tasks so that e" n@ s` alterna above an d belowB POption Explicit
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current project`iry a ga af` has one or mo . FILEOP > You d o not` open. O a the n ru
Sub Ω(0)

Check_if_P C_`If& 8empty, aler5use r2e 2 c<#@_@Active.BT).Cou` (=h 0 -nC!M`sgBox 1`vutt 4:=vbC0riti
4TPxriv!la6 2 6')cedu lc7 s if(Bfi [4 Ea
Dim str AsD_ Odr`SGoT`o NoF ? :se= K8 , E`Exit d *:E], vbExcl a` : on`!A %
" B (0 8 @ P` p x
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8 H
P` p x
DISCLAIMER OF WARRANTY THE SAMPLES D
Task Entry Z MYou do not have a project open. Open a project, and then run the macro again. 0 RSet the Task Entr

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IyFSUCH%=.QCAISOM O NO LLOW|X S u`C a CONSEQU ALC2C NT@
DZ,"ABOVc ptMAY@xY >

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essageType:="TeamUpdate" Ap6/Team&Status...-MailSendProjectMail MessageType:="TeamStatus"

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














▶'Q9 Sched<ule Variance`3 BCWP:@*3' B BCWS:@*B' Q

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>do'oresourcesoT/
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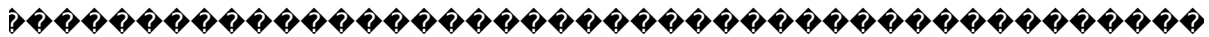
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ilableFieldsIstFieldsToExport ◆ ◆ ◆ ListBox ◆ ◆ Insert_Position8 ◆ IstAvailableFields& ◆ IstList ◆ QstrI

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:ae pjAssignmentTimescaledACWPC ◆ "pjAssignmentTimescaledBaselineCost" ◆ "pjAssignmentTimesc

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tasks/resources is greater than 1 V! Get the field name from Step 2
(JB@ A@*, Plot the data if user requested to in Step 4 8: ` (JB@

~7@(B Apply the sum formula on all the cells in the total row < ~7@B@D < ~7@ < > ~ 6 ~7@7

! %"\$4 HQE D!Z HQE "\$ p "\$ L HQE "\$ r "\$ L HQ

Do some simple final text formatting !n(p (make first column bold !n(r (m:

HQE HQE HQE HQE HQE HQE HQE HQE HQE HQE HQE

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⚠ ⚠ ⚠ ⚠ \$
⚠ ⚠ ⚠ ⚠ a ⚠ ⚠ ⚠ , ⚠ ⚠ % "\$4' ⚠ h ⚠ ⚠ ⚠ , ⚠ \$' ⚠ If there is only one task/resource, there is no total
ype, plot a 2-D graph with two y-axes, ⚠ ?Else plot a 3-D graph with one y-axes for the single unit-type

⚠ ⚠ ⚠ D! ⚠ h \$!, !n ⚠ ⚠ ⚠ !

⚠ E ⚠ ⚠ < D!J'k ⚠ ⚠ ⚠ /f ⚠ ⚠ ⚠ / ⚠ ⚠ ⚠ XFunction that returns a string of the sngValue as a decimal with

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ti@8, Title:=Appl◆◆.Nam◆-◆?◆◆◆(y◆◆◆◆◆!◆◆Object, lstFields As ListBox, strStartDa

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ple, 6/15/2032 or June 15, 2032. ✖✖The 'From:' date is after the 'To:' date. Reenter the dates so l

that the Add button is enabled if there is atleast one item in the Available fields listbox ! ✖
tton is enabled ✖ f(✖ ✖ ✖ ✖ ✖ ✖ ✖ Hide the current Step 2 dialog and show dialog for Step 1 of ✖

.ck ✖to Step 2 P 8 ✖d :! ✖hA@4

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Procedure that Ends the macro (S< S< S< S<

Procedure that Ends the macro d Procedure that hides St
graph can only have two Y(value) axes :!n

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rrrect format: for example, 6/15/2032 or June 15, 2032. xZ The 'From:' date is after the 'To:' date. I

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There are no tasks in the current project. Try again after the project has one or more tasks. (Z The
10 entry), disable the "Currently selected tasks/resources" option <2. If the number of rows sele

:@T \$C@Ta If the current view is a resource view, fill the Available fields list box w
RRENCY_TYPE if strFieldName is a currency value, TIME_TYPE if strFieldName is a work value

%bt CIM Y D0ecim Y

4Set default of ! Step &1#`_Dcs_1 `K!KV Oc 2 _xp 3T !} s/4 dDisplay !

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dn WP0H_c1 | ! Z. +, _2 / ! Q

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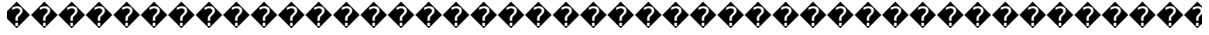
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HOUT WARRANTY OF ANY KIND. MICROSOFT FURTHER DISCLAIMS ALL IMPLIED WARRAI

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not be changed. Z One or more tasks have actual dates entered. The finish dates of th

Assume no tasks have actuals entered F Calculate the date difference between original date

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1D1) XE xP zppli cation. R Add @ ng Q =; _HS @ 1(aEb _!

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 X(iX Z \P
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P@ Pp

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*F8+ph.ph.A@6 Copy calculated Start/Finish fields (most optimistic case) into Start/Finish dates. Check to see if task exists and that is not an external task. (B != (Dh h2 dates. !R A@P ^rollup Finish3 dates. !R A@T ^rollup Start1 dates. !R A@T ^rollup Start2 dates. Task object in For Each... loop. Date variable.

;\$On

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weights, stored as Cumulative @p ies "no h GbeenV, default Ls of 1,4,1 vbOKong+ Exc la Yon, 7 ! 2 ^ba Co ^, onec@S ary g h " cnr:=lh

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0\$ duri

ired by the macro. You may need a new Global.mpt file to see these views. Copy backup.mpt to Glob:
A@&h+Alternate rolled up text along summary barsA;If no tasks have beer
!h xh pVDetermine if task is summary. If so, get list of children and app

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...L Xp...LF
KIND. MICROSOFT FURTHER DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WITHC

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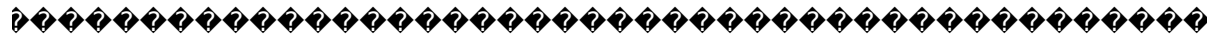
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:e]EditCut 02 [Copy Cell/Task/Resource]EditCopy 06 &PasteEditPaste 6 Paste &Special...E

ailPostDocumentTCBC 6e&NewFileNewCtrl+N 6f&Open...FileOpenCtrl+O 6f&Open...FileOpen I

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Work7 &Cost S&ummary

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#"Showasks assigned for c4%"t stt or finish afte: Lb|%
#"Showasks assigned for c4%"t stt or finish afte: Lb|%"

tasksShow tasks assigned to resource:That start or finish after:And before:BGBGns\anD!"flang1

arse A\c d0\greenue0;}

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\c-!"d0\greenue0;}

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æ A [REDACTED]\ [REDACTED]c|W [REDACTED]!"d0\greenue0;}

sourcesSh(cow resources/assLcignments whose cpcost is greater t [REDACTED]han:nts whose c [REDACTED]+
i afpl [REDACTED].

ts t [REDACTED]s [REDACTED]0
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ame of first task/resource) Z Row where all the dates are found in the Excel file Z Excel

e Export_Data function Disable the Export Data, Cancel and Back buttons .

'Get the time interval units from Step 3 \$!,!n' 1 Find out number of tasks/resources to be exported .
text file to store timescaled data before exporting to Excel j A@ \$ Print the name of the pro

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caledBaselineWork ◆<pjAssignmentTimescaledBCWP ◆pjAssignmentTimescaledBCWS ◆pjAssignm

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Set intDateOrder to the appropriate value :!
A@,h

Zero out Percent Fields in Total line where summing does not make sense >

make second row bold and italic
make second column italic
autofit al

Function that returns the const

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line `> <a <h 6 N` +Get the range for the Time and Total fields

3. `Plot a 2-D Graph` `!.B@J`

five significant digits `Z`? If `sngValue` is negative, insert the minus sign at the beginning

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that the 'From:' date is on or before the 'To:' date.  Procedure that removes the selected it

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tep 4 of the macro and displays Step 5 ◆◆◆◆◆◆◆◆◆◆.If the user has selected to graph the data, ma

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Reenter the dates so that the 'From:' date is on or before the 'To:' date.

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ere are no resources in the current project. Try again after the project has one or more resources. .
cted by user is greater than 1, , the user has actively selected the tasks or resources to  be exj

with resource-specific timescaled fields  \$C@T  \$C@T  \$C@T  \$C@T  \$C@T
2 PERCENT_TYPE if strFieldName is a percent value 2 DECIMAL_TYPE if strFieldName is a c

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s (DurationFormat)Z ⚡ Elapsed Duration unit ⚡ ⚡ Create list of duration units available on the fr
this is gross. here's how we'll do this. ⚡ ⚡ First, we will walk backwards through the string until we find





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»PS<

These tasks cannot be changed. xZThis is not a valid date, or is outside the range for dates, w

& new date entered ?Assume the difference between new date and old date is positive  :%V'


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it property already exists for the PERT weight  If the user has already set PERT weights, so a custc

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ENTED SAMPLE CODE. W@THESE SAMPLES ARE PROVIDED "AS IS" WITHOUT WARRANTY again after the project has one or more tasks. The project contains one or more external tas

art1/Finish1 &fields for all tasks except summaries. " 3<Check to see if task exists an

5Calculate Most Pessimistic schedule for all tasks. ** /Copy Most Pessimistic duration into

2 dates. !R A@T ^rollup Start3 dates. !R 585< :%V945B5D :%V9@5H5J :%V9Fn n

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al.mpt, and then run the macro again. [REDACTED] Start [REDACTED] ID [REDACTED]
 marked for rollup, then display alert jB@ [REDACTED] A@& x 6 8 [REDACTED] ! [REDACTED] A@4a [REDACTED] jA@tA@ [REDACTED] A@
 ly rollup formatting. [REDACTED]

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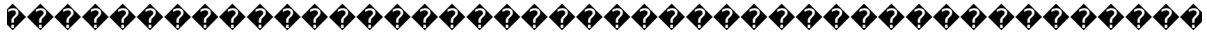
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tant referred to by strFieldName. The constant is taken from the PjTaskTimescaledData enum or

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em from "Available Fields:" list and adds it to the "Fields to export:" list

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ke sure that in Step 2, he/she did not choose to export more than 2 unit(v types since a graph ca

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Z The project contains one or more external tasks. The Analyze Timescaled Data Wizard cannot be run on the project, so make the default selection "Currently selected tasks/resources", else make the default

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orm B >B@T D >B@T F >B@T H >B@T ↩ set the default value of the dropdown to be what the curr
the first number ↩ (need to start from the right, since someone might have used the elapsed charac

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which is January 1, 1984 through December 31, 2049. Type a date in the correct format: for example, {

⚠️If DateDifference returns 0, check whether the difference is negative ⚠️⚠️⚠️ ⚠️:%V' ⚠️⚠️Fdg ⚠️⚠️

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ks. The macro cannot perform PERT Analysis for these tasks. You do not have a project ope

d that is not a external task. ! (8 !> (<h

o the Duration field for all tasks except summaries. "<Check to see if task exists and l

h 2Calculate PERT values for the project summary task DIR. <Check to

id that is not a external task. h! h!L h! "Child task is also a summary task. h fA@T

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Procedure that changes the preview in the
GSet the Flag10 field 4OSet a flag which decides whether or not to hide the summary bars for

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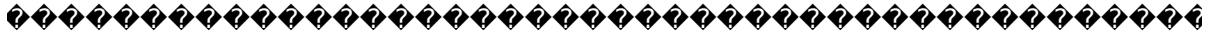
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columns 

 APjResourceTimescaledData enum depending on whether the field is a  task field or a resource field

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aphed have one or two unit types If the fields have two unit types, specify the units and title for th

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




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export timescaled data for these tasks.   You do not have a project open. Open a project, and
t selection "Entire Project"   ( B@~  (na  p   If the current view is a task view .

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ent setting is in the Schedule tab of Tools.Options DIV XHQ B >(n ZHQ D >(n \HQ F >(n ^HQ H
ter as the decimal separator.) Then we can grab the string from that point on, and strip any leadii

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3/15/2032 or June 15, 2032. NA Gantt Chart Procedure ends the max

7If no difference between new date & old date, end macroh Save original calculation setting

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Sample groupbox to the bars bitmap E
Bar Rollup 2Set text position flag for next bar (top vs bottom) a n a

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
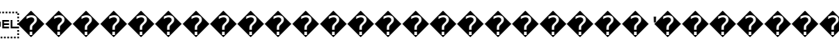




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This is used for the current
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2. Get information to obtain data a.

: to see if task/resource exists ! !L Task is a regular summary task

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`Function that returns the index position of strItem if it were to be inserted i`
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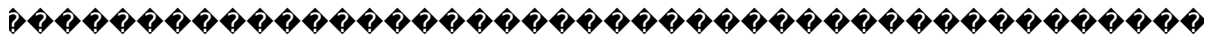
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>(nk | | | | | | Set duration for each task @note that summary tasks get handling spaces then check to see what the first character is.Z | | | | | | | | | | | | | | | |

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Procedure that adjusts the dates Disable the OK and Cancel buttons

, and set the Calculation to False Turn off alerts Go ti

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sts, then create a new custom document property for that weight : 0 D!,%..`k to s

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Z 2/31/2049 11:59pm 0000PERT Analysis Calculation macro. This macro uses the PE

t/Finish fields (most pessimistic case) into Start3/Finish3 & fields for all tasks except summaries.

up Finish2 dates. @P rollup Finish3 dates. @T rollup Start1 dates. @T rollup Sta

latMinDate to earliest date. HQ \$Start1 h!8 p F h!8'pg HQ \$Start2 h!B p F h!B'pg HQ \$S

Sum y

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procedure that changes the preview in the Sample groupbox to the milestone bitmap
If the task is a nested summary task
@LThis procedure recursively

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caledData4./04olPXe?@frmAnalyzeTimescaledData3NOP4

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VBFrame 1_ 1a [REDACTED] DEL Sfr 1_ 1b [REDACTED] so [REDACTED]

nalyzeTimescaledData44 [REDACTED] wO frmAnalyzeTimescaledData3./04 [REDACTED] 567€

[REDACTED] džf [REDACTED] DEL DEL [REDACTED]

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·Z Cost `Z Work xZ Percent H Z Total \$Z Starting... Z Launching Excel..
y format for Microsoft ExcelZ #,##0.00 Z \$5Used in the text file created before opening ir

Find out if the view is a task view or resource view D!H\$ % b. Get s

k(NOT an inserted project summary task) a x n h ! @h

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ISV(pjAssignmentTimescaledWork 4pjTaskTimescaledActualCost_9"pjTaskTimescaledActualOvr

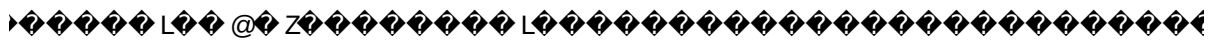
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ble the Add button. !    (   Make sure that the Remove and Next, Finish buttons are €

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
!@#####L@#####L@Z#####L
>#####h#####+c

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TH YOU.,  FIN NO EVENT SHALL MICROSOFT OR ITS SUPPLIERS BE LIABLE FOR ANY DAM

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current view is a task view D!H\$               Check to make sure that

nto IstList @Function assumes IstList to be in alphabetically ascending orderZ   !   if t
cedure sets the defaults for Step 4 of the Analyze Timescaled Data wizard 8  : Display img

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↳ L... N... on P... R... <

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l by the Tools.Options setting `Tools.Options.D``
found the number. now pull it out of the string `p p t` `x$ v'nf` This function ret

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UDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS IN

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▶ [corrupted] L [corrupted] j @ [corrupted] L [corrupted] @ [corrupted] L [corrupted] [corrupted]

✕ [corrupted] ✕ [corrupted] &Get the new start/finish date selected [corrupted] 'n' [corrupted] [corrupted] 8 [corrupted] dA@4 [corrupted] ✕ [corrupted] ✕ [corrupted] [corrupted]

through each project task, and shift the dates of constrained tasks [corrupted] We want to skip inserted projects:

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?i?f?????`h????`p????.

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;PERFORMANCE OF THE SAMPLES REMAINS WITH YOU.`FIN NO EVENT SHALL MICROSC
ERT weights saved in the Number1,Number2,Number3 fields of the project summary task. The Nu

<Check to see if task exists and that is not a external task. ! (H !> (Jh

art2 dates. @T rollup Start3 dates. 585< :%V945B5D :%V9@5H5J :%V9Fn

tart3 h!H p h!H'pgk Set date field to earliest date. HQ Sta

in

➤ +@ x L @ w@ z L =

➤ 6

➤ Procedure that alternates rolled up task names along the s / applies rollup formatting to nested summary tasksh If rollup to show as bar:

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▶ L L Fp J , @8 4x XH ' TION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF

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N, LOSS OF BUSINESS INFORMATION, (FOR OTHER PECUNIARY LOSS) ARISING OUT OF TH

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""  p6\$&Contents and IndexHelpContents | 6.

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resourcesh^-

1Unstarted Assignments 2Should Start/Finish By...3Slipped/Late ProgressBGBG

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!??@AaBbCcDdEeFfGgHhIiJjKkLlMmNnOoPpQqRrSsTtUuVvWwXxYyZz[]_`{|}~?CompObj

39j@frmAnalyzeTimescaledData2NOP4UVWXPV2`frmAnalyzeTimesc

!??@AaBbCcDdEeFfGgHhIiJjKkLlMmNnOoPpQqRrSsTtUuVvWwXxYyZz[]_`{|}~?|||xfh

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> W

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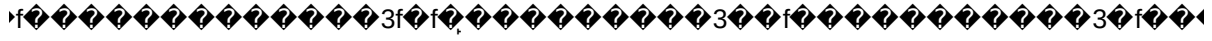
▶<?>B>\>??6(?`h?

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.Z Exporting data to Excel...Z Formatting worksheet in Excel...Z Plotting graph in f
1 ExcelZ #,##0 Z #,##0.00 Z #,##0% Z Global VariablesZ Hi
Selection range from Step 1 n D!` B D! a .` .

6 Skip inserted project summary tasks and external tasks /Increment the numbe

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vertimeWork- pjTaskTimescaledActualWork& pjTaskTimescaledACWPZ|pjTaskTimescaledBaseline

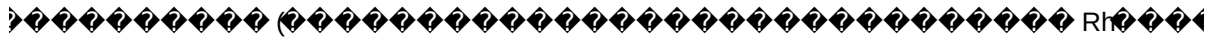
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ce [REDACTED] a dan [REDACTED] 20:

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enabled        |   Procedure that removes the selected item

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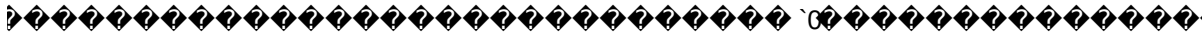
DAMAGES ~~◆~~▶ WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF ~~◆~~ FUTURE

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: Project has at least one task/resource

:here is atleast one item in listbox
Step4Yes

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urns whether or not the duration in the string is in elapsed units. Z first need to strip off the

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INTERRUPTION, LOSS OF BUSINESS INFORMATION, (FOR OTHER PECUNIARY LOSS) ARISING

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NOT OR ITS SUPPLIERS BE LIABLE FOR ANY DAMAGESar >WHATSOEVER (INCLUDING, WITH
mber1,Number2,Number3 fields contain the weights for the Optimistic, Expected, and Most Pessim

▶ Calculate PERT Durations. Calculate the PERT duration for all tasks except summaries.

Calculate PERT durations for summary tasks. <Check to see if task exi

rt1 p d(8 Start2 p d(B Start3 p d(Hk This macro brings up the Se

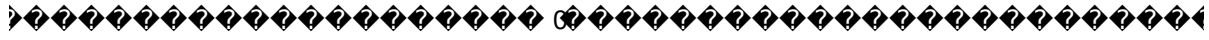
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summary bars, so the task names don't end up overwriting Store calculations, hide summary bar only if that summary task has any rolled up sub-tasks

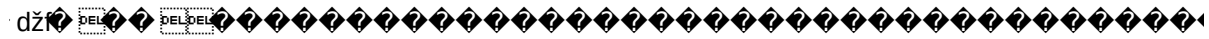
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BUSINESS INFORMATION, (FOR OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF O

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E USE OF OR INABILITY TO USE THE SAMPLES, EVEN IF MICROSOFT HAS BEEN ADVISED



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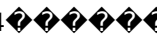
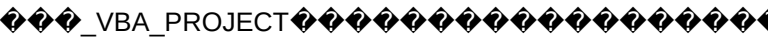
'ces~c| X%' resourcesBGBG 2\$IQ#\ S#

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DEL: frmAnalyzeTimescaledData14t@h d PROJECTwm

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▸a VBFrame

:aledData1nop4uvwxyz_VBA_PROJECT

▸

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Excel... Z Done 8Z You do not have Microsoft Excel 5.0 or later installed on your machine. I
de the current Step 4 dialog and show dialog for Step 3 of

c. Get the list of fields to be exported from Step 2

r of tasks/resources printed ! For each field the user has selected to export from Step 2,

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Cost of Task Timescaled Baseline Work 1pj Task Timescaled BCWP 1pj Task Timescaled BCWS 1pjT

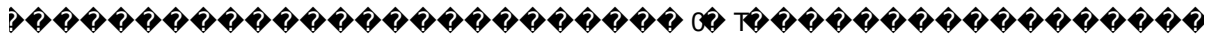
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3) p te i\$ ter ^ e '

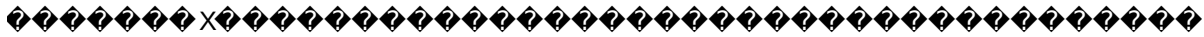
in

from "Available Fields:" list and adds it to the "Fields to export:" list Z "t^ ^ %" B@T

in



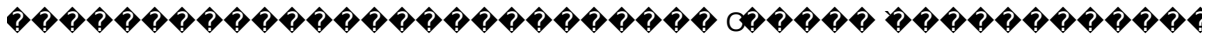
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BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, ~~FOR~~ OTHER

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1 [corrupted text]

in the list, then it should be inserted just before the current item in the list. The new item is in stList and strlenZ

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: duration value p\$' | Determine if the first letter of the unit is that which denotes that this is an el

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3 OUT OF THE USE OF OR INABILITY TO USE ████████THE SAMPLES, EVEN IF MICROSOFT HAS BE

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ed by the user is valid or notZ **◆◆◆E** ◆If there is an error with the below command, it indicates an

! **◆◆◆"** **◆◆◆g !**\$ **◆◆◆◆**◆If the constraint starts at the start time of the day **◆**and the differenc

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HOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTI
nistic durations, respectively. The Most Optimistic schedule for a task will be stored in it's Duration1

<Check to see if task exists and that is not a external task. !


sts and that is not a external task. ! If a summary task. 85< :%V945B5D :%V9@5t

t PERT_Weights Form, which allows the user to enter weights for Most Optimistic, Expected, and

in

ation mode status and set to manual 
#reset

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R INABILITY TO USE  THE SAMPLES, EVEN IF MICROSOFT HAS BEEN ADVISED OF THE PO

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n&pleted Tasks|&ncomplete TasksIn Progress Tasks Mil&estones &Summary Tasks

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Please install Microsoft Excel, and then run the macro again. PZXA file named Timedata.txt is alre

compile the timescaled data for the selection made in Step 1 Set the field name fro




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TaskTimescaledCostW7pjTaskTimescaledCumulativeCost)TaskTimescaledCumulativePercentC

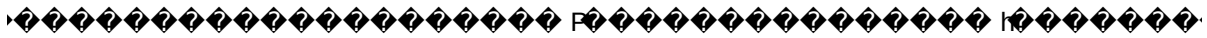
in

'FvP' [REDACTED]

in

If there isn't atleast one item in Avaliable fields list, disable the Add button. !   

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





















ER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE  THE SAMPLES

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◆◆◆h ◆◆◆Alert the user if the project contains no tasks(if the view is a task view) ◆◆◆Z i

tem comes after the current item in list ! ◆◆◆So if end of the list has been reached, insert item ◆

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apsed duration | @}z z    a   n   f                        BHQ X'N

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BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES DO NOT

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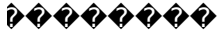
Invalid date D! :%V' a \$ a \$

se is a multiple of a day, then add (Delta + 1) days to the date and then subtract a day. This is b

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ME J(Fx

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ION, LOSS OF BUSINESS INFORMATION, (FOR OTHER PECUNIARY LOSS) ARISING OUT OF CONTRACT, start1, and Finish1 fields. The Expected schedule for a task will be stored in its Duration2, Star

15J :%V9Fn h h h h x Set Calculation back to Automatic, if necessary.

Most Pessimistic durations. These values are saved as custom document propertiesZ @^

in

t calc mode to original settingu  #reset calc mode to original setting  @&

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POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES DO NOT ALLOW THE EXCLUSION

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: EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAC

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S#ces ~ =s X%"es/assg sdS# cosis great@ than.

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▸ Tas&k Range...&Using Resource...

#####_#@\$@##### Crit



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ready open. Close the file, and then run the macro again. hZ The data has more than 256 column

m Step 2 "6 ' Obtain Timescaled Data  6 6 6 6 6 If the task

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CompletepjTaskTimescaledCumulativeWorkl◆;pjTaskTimescaledCV◆;pjTaskTimescaledFixedCostA

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• Make sure that the Remove and Next, Finish buttons are enabled () () () ()

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), EVEN IF MICROSOFT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BEC

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f :! A@4d Alert the user if the project contains no resources(if the view is a re

fter last item in list Else compare with next item in list n n x n n l

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⚡ ⚡R DHQ Z'N ⚡ ⚡R FHQ \N ⚡ ⚡R HHQ ^N ⚡ ⚡RP ⚡⚡J 8 :! ⚡A@4 ⚡s ⚡⚡k

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* ALLOW THE EXCLUSION OR ~~◊~~ LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENT

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because 8:00am + 1d gives 5:00pm the same day, but here we want 8:00am the next day. $\$ \$ \& D$

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IF THE USE OF OR INABILITY TO USE THE SAMPLES, EVEN IF MICROSOFT HAS BEEN ADVISED, AND Finish2 fields. The Most Pessimistic schedule for a task will be stored in its Duration3,

This function takes as its argument an integer that tells it what PERT weights

If weights have been set previously, display existing weights Else display defaults

in

◆◆HQ ◆◆@ ◆◆HQ ◆◆P ◆◆*general error message for all other errors v f ◆◆! ◆◆A@4d ◆◆

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OR ~~◆~~ LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ~~◆~~

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IF, HOWEVER, THE ABOVE LIMITATION MAY NOT APPLY TO YOU. Localizable strings

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icalCritical SplitCritical ProgressTaskSplitTask ProgressBaselineBaseline SplitBaseline MilestoneMile

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1s. Since Microsoft Excel can only have a maximum of 256 columns, only the first 256 columns will be

is a summary task, and the field to be exported is not  the Fixed Cost, Cumulative Percent Comple

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◆pjTaskTimescaledOverallocation)/pjTaskTimescaledOvertimeWork?◆pjTaskTimescaledPercentCo

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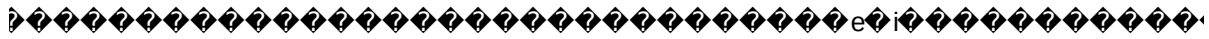
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



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


in

CAUSE SOME STATES DO NOT ALLOW THE EXCLUSION OR  LIMITATION OF LIABILITY FOR

in

source view)     :!  A@4d    Alert the user if the project contains external task

Return position 'intPosition' for item to be inserted in list 'f'     This procedure sets the def

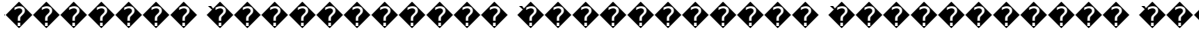
in

: @ f Z !f\$~ . Set Default Duration Units

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NTAL DAMAGES, THE    ABOVE LIMITATION MAY NOT APPLY TO YOU.  This macro refc

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!(\$& \$ \$%* (\$!\$ %, (\$a \$:%* (\$h new start is before original start if the

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USED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES DO NOT ALLOW
Start3, and Finish3 fields. Local Variable Declarations Weight for Optimistic duration.

ght to look for If a value has been set for that weight, the value is returned Else the function retu

<a t v(xh *t t w(za v(zh *t t w(|a v(|h hc

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◆◆ABOVE LIMITATION MAY NOT APPLY TO YOU. ◆◆This macro formats rolled up tasks so that i

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in

|@ents ta ,u T#e stted by:@ ~rm t'@ d

in

:stoneSummary ProgressSummaryRolled Up CriticalRolled Up Critical SplitRolled Up Critical Progress

in

▶▶▶▶▶ @"&All Tasks▶ @'▶▶▶▶▶ (▶ @dLp▶▶▶▶▶▶▶▶▶▶▶ H

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exported. Try selecting a shorter date range or larger units in Step 3 of the Wizard, and then run the

te, or the Percent Complete field, then total up the assignment values of the summary task to

in

)#fraBarsOrMilestones(74cmdOK-,;8cmdCancelWar(

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mplete ◊pjTaskTimescaledRegularWorkN ◊pjTaskTimescaledSV>pjTaskTimescaledWork ◊pjResou

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CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ~~THE~~ ABOVE LIMITATION MAY NOT APF

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:s \$:! A@4h Set default of form for Step 1 @ Set default of form for Step 2.

aults for Step 3 of the Analyze Timescaled Data wizardZ Set the default "From:" date

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for the project, so Summary Tasks  display their duration using the same units N   @   @`

in

formats the duration of all the tasks in the project.  The durations are all expressed in either minutes

in

\$##### \$#####

: constraint finishes at the finish time of the day and the difference is a multiple of a day, then subtra

in

/ THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL D/
Weight for Expected duration.Z Weight for Pessimistic duration.Z Reference to a task ob

irns -1, to indicate that no PERT weight has been setZ Z Z Z Z Assume no existing va

rw Set_PERT_Weights form v!xB@~ !x(!x! !x(B@pl Procedure that display:

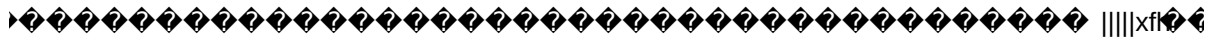
in

ksZ  Set text position flag f

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the task names alternate above and below the rolled up tasks. Localizable StringsZ Th

in



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➤ S#ces ~c| X%" \U# L U#@

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sRolled Up TaskRolled Up SplitRolled Up Task ProgressRolled Up BaselineRolled Up Baseline Milest

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macro again. TimeData.txt %Should be no longer than 8 charactersZ C:\ Use

btain the proper summary task-specific timescaled values. Note that by adding up the assignment

in

MSProject VB Win1 ~Win32 Mac Project1

in

ResourceTimescaledActualCost ☂ ResourceTimescaledActualOvertimeWork"5pjResourceTimescaledAc







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PLY TO YOU.      Localizable strings Z\$  Actual Cost  Z\$  Actual Overtime Work  Z\$  Actu

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A@   Set default of form for Step 3A@   Set defaults of form for Step 4A@   Display Step 1 c

to project start date D!    &(n  Set the default "To:" date to project finish date D!    ((



in



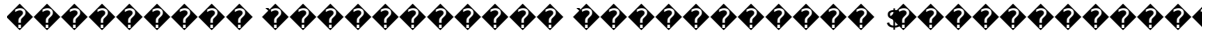
in

:A@tl    A@tl             attribute VB_Name = "frmFormatDuration"

in

s, hours, days, or weeks.  The macro also sets the default duration unit. All summary tasks  and

in



act (Delta + 1) days, and then add back 1 day This is because 5:00pm - 1d gives 8:00am the san

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IMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU. Localizable strings
ject.Z Used to save original value of Calculation mode.Z Save current view nameZ


lue for the weight exists X Q Q Q k !, \ Look through all cu

s the PERT Analysis toolbar and alerts the user that PERT analysis components are already install

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or next task (top vs bottom)    a   If nesting more than one-level de

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There are no tasks in the current project. Try again after the project has one or more tasks.   You c

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resourcesShow tasks that should have started

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:oneRolled Up MilestoneExternal TasksProject SummaryBGBG%@"@ oCg

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r's c: directoryZ Temp Folder where temporary files

values of the summary task, we are excluding the rolled up values of the subtasks

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tualWorkq  pjResourceTimescaledACWP  pjResourceTimescaledBaselineCost4 pjResourceTime








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ial Work Z\$ ACWP Z\$ 

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of the 5 step wizard  @pl    Procedure checks if a project file is openZ   D!'ru 

n  Fill the Units combo box with relevant unitsA@*  Set "days" as the default units setting F5,(nn 

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I new tasks will be shown in that unit.  Localizable Strings8Z  You do not have a project c

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re day, but here we want 5:00pm the previous day. \$& D!.\$& \$ %,\$ (\$!\$ %* (\$a

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PERT weight titles and their values stored as global constants, so they can be accessed by Se
z @^ !`." Make sure there is at least one task in the project, other

ustom document properties, to see if one exists for given PERT weight Z n'br

led. A@4!

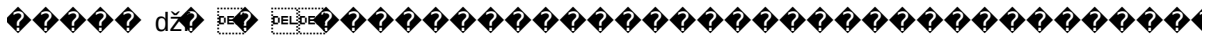
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æp @ Attribute VB_Name = "frmRollUp"

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do not have a project open. Open a project and then run the macro again. ❖❖A@^ ❖if project is er

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by:Or tasks that should have finished by:BGnD!"flang103onttbl {f0\fwiss\fq2\chase A

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◆◆◆◆◆ Find out the number of timescale values for the data ◆◆◆◆◆\$

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scaledBaselineWork  pjResourceTimescaledBCWPZpjResourceTimescaledBCWS]pjResourceTin

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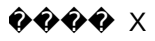


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8 :! A@4d

This function returns an appropriate format for the dates that the function IsDate

in



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open. Open a project, and then run the macro again.   @^ :B@< :!>B@~  >( >!  >( B(

in



Set the new start/finish date for the proj

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t PERT_Weights as well as calculate PERT module optimistic PERT Weight expected
wise exit macro. "b f ! @4d

This procedure sets the indicated date field of t

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npty, alert the user and end the macro D!`!b  f  :!  A@4d       et the default fc

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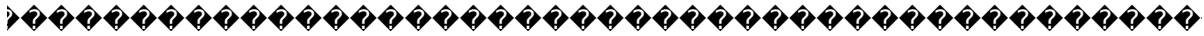
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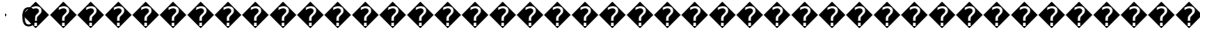
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can recognizeZ                               

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pl Procedure checks if a project file is openZ D!ru 8 8 :! A@4d

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ect D! ((Reset the original calculation setting @6h

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PERT Weight $\frac{1}{3}$ Optimistic PERT Weight $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ A PERT Entry Sher
▶ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$ Alert the user if the project contains external tasks $\frac{1}{3}$ $\frac{1}{3}$! $\frac{1}{3}$ @4h $\frac{1}{3}$ $\frac{1}{3}$ Che

the Project Summary Task to the latest value $\frac{1}{3}$ of the field found in the children tasks of the project s

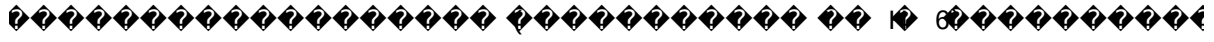
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or frmRollUp  (n  Show Rollup Formatting Dialog jB@pl    Procedure checks if a project

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ck to see if Calculation is set to Automatic. If currently set to Automatic,  change it to Manual and s

ummary task. This procedure is called  recursively for any children tasks that are also summary tas

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file is openZ      D!'ru        8 :!  A@4d  

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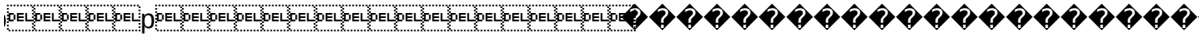
save the value so it can be reset later. `inc` Returns True if set to automatic. `set` `get` `@&g` `inc`

ks.Z `ask` object in For Each... loop.Z `ate` variable.Z `n` `j` `Initialize to earl`

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:TimescaledRegularWork)pjResourceTimescaledRemainingAvailability ↻pjResourceTimescaledSV \ ◀










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▶▶▶ This subroutine fills the Units combo box with the following units: ◆

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If Project's PERT weights, stored as Custom Document Properties ~~Are~~ no PERT weights have been s

iest Project date.          <Check to see if task exists and that is not a external t

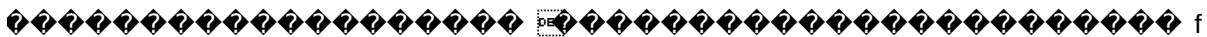
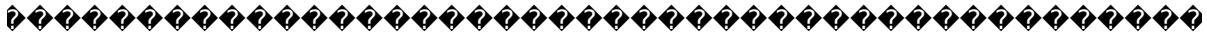
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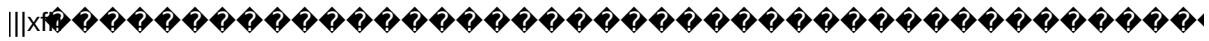
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set, use default values of 1,4,1 for Optimistic, Expected & Pessimistic durations respectively

ask. h! L Child task is also a summary task. h fA@P Call sub recursively.h

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InitType◆strSecondaryAxisUnitTypepstrYAxisPrimary◆strYAxisSecondary◆4bInHasTwoUnitTypes>

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◆◆◆ ◆◆◆◆L\$N. !R fA@T _call sub recursively.h ◆◆f ◆◆Set datMaxDate to latest date

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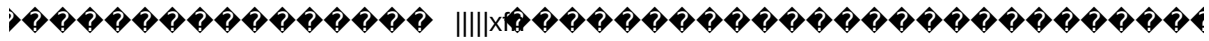
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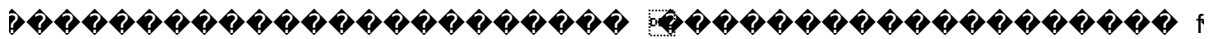
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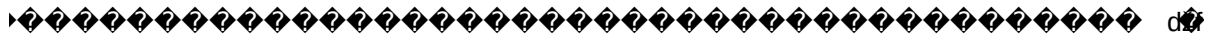


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