CUSTOM FIELDS

Project provides a huge number of built-in fields. However, you won't always be able to find one that displays the exact information you want or even how you want it to be displayed. When this happens you can create custom fields to track information that the built-in fields don't record. For instance, you can create fields with lookup tables, fields that display information visually, and quite a lot more.

In this session you will:

- ✓ gain an understanding of the custom fields
- ✓ learn how to create and name custom fields
- ✓ learn how to insert custom fields
- learn how to use a formula in a custom field to calculate a field value
- learn how to modify formulas in custom fields
- ✓ learn how to test a formula in a custom field
- ✓ gain an understanding of graphical indicator custom fields
- learn how to create custom fields with graphical indicators
- learn how to create a lookup custom field
- ✓ learn how to create a code mask for an outline code lookup table
- ✓ learn how to enter values in a lookup table
- \checkmark learn how to use a lookup table.

UNDERSTANDING CUSTOM FIELDS

Although Project comes complete with a myriad of fields, you may find situations when there isn't a built-in field available for tracking the specific information you need for your project. This is where *custom fields* are useful. For instance, you can use formulas to calculate values or build lists of values from which you can choose. Like built-in fields, custom fields come in various data types.

	Custom Fields	×
Available Task custom fields for the selected data Type	Eield Task Resource Project Type: Text Field Text1 Text2	~
(Text), hence the default field names – Text1, Text2, etc.	Text2 Text3 Text4 Text5 Text6 Text7 Rename Delete Add Field to Enterprise Import Field	~
	Custom attributes None Lookup O Formula Calculation for task and group summary rows None Rollup: Calculation for assignment rows None Roll down unless manually entered	
	Values to display Values to display	

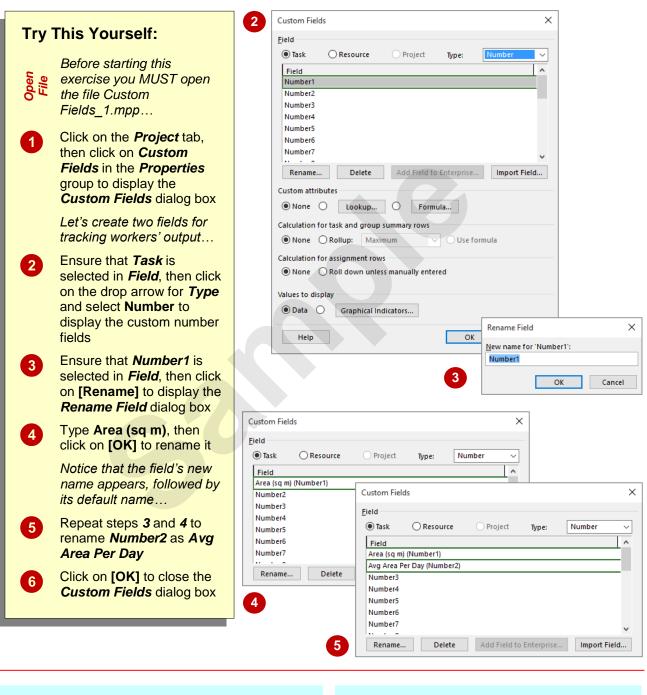
The Custom Fields Dialog Box

Although you can quickly create simple custom fields using the *Insert Column* or *Add New Column* features, if you need to create more complex custom fields you will need to use the *Custom Fields* dialog box, as shown above, which is available via the *Custom Fields* command on the *Project* tab.

Field type	The first thing you must specify when creating a new custom field is the view in which it will be available. For instance, <i>Task</i> custom fields will appear in <i>Task</i> views, while <i>Resource</i> custom fields will appear in <i>Resource</i> views.
Data type	You can specify the data type for the custom field based on what you are storing in the field. Cost holds money; Date hold dates; Duration holds the same type of data as the Duration field you've seen in a Gantt Chart; Start and Finish fields are usually used by Project for storing start and finish dates for interim plans but if you don't use interim plans, you can use these fields to store other custom dates; Flag fields are used to tag tasks or resources with Yes/No values (such as whether a task is being done at a fixed price or for tasks that you need to do extra quality assurance on); Number stores numbers other than cost and duration (e.g. the square metres of walls to be painted); Text fields can store up to 255 characters; and Outline Code fields are a special type which you can use to set up a hierarchy of values such as department numbers.
Custom attributes	You can use these options to either create a <i>Lookup</i> table of valid values to pick from or assign a <i>Formula</i> to a custom field to calculate values.
Calculation for task and group summary rows or Calculation for assignment rows	You can specify how you want Project to calculate task and summary rows. For instance, you could have Project roll up the values to the summary row, like the <i>Duration</i> does or you could use a formula to calculate it. Alternatively, you could tell Project how to calculate the values for assignment rows down from the task value.
Values to display	You can choose to display the values in the custom fields as either data or graphical indicators, such as red, orange and green circles.

CREATING CUSTOM FIELDS

Custom fields are initially named with a default name that identifies the data type on which they are based. For instance, the **Cost1** field is based on the **Cost** data type, while the **Text1** fields is based on the *Text* data type. To make a custom field easier to use the first thing you will need to do is to rename it to something more meaningful.



For Your Reference...

To create a custom field:

- Click on the *Project* tab, then click on *Custom Fields* in the *Properties* group
- 2. Click on Task or Resource
- 3. Select the appropriate *Data type*, click on the field name, click on [Rename], then type the new field name

Handy to Know...

• You can make as many or as few custom fields as desired while you have the *Custom Fields* dialog box open.

INSERTING CUSTOM FIELDS

Once you have created a custom field, you are then ready to insert it into the appropriate table. Like built-in fields, you can search for them using the **Insert Column** command by typing the start of their field name. You can also locate them by searching on their default field name. This is extremely helpful if you know you've created a **Cost** field, for example, but can't recall its name.

			Task Name	area (sq m) (Numbe
Try ⁻	This Yourself:	1	Plans and Site	Area (sq m) (Number1)
,		2	Create Site Plans	Area (sq m) ((Comberry)
		3	Arrange Council Permits		
	Continue using the	4	Prepare Site		
Same File	previous file with this	5	Organise Materials		
Ті а	exercise, or open the file	6	Lay Foundations		
()		7			
	Custom Fields_2.mpp	8	Plumbing for Sewerage		
		9	Pour Slab		
	Click on the View tab,	9	Foundations Complete		
	click on Gantt Chart in	2			
	the Task Views group,	E			
	U				
	then click on <i>Tables</i> in		Task Name	Area (sq m) 🔻	Act. Start
	the Data group and	1	Plans and Site	0	
	select Tracking to	2	Create Site Plans	0	
	display the <i>Tracking</i>	3	Arrange Council Permits	0	
		4	Prepare Site	0	
	table	5	Organise Materials	0	
		6	Lay Foundations	0	
2	Right-click on the Act .	7	Plumbing for Sewerage	0	
	Start column, select	8	Pour Slab	0	
	Insert Column, then	9	Foundations Complete	0	1
	type ar	3	roundations complete		
	Notice that the field's new name precedes the default name which is shown in parentheses	1 2	Task Name Plans and Site Create Site Plans	Area (sq m) • 0 0	Number1 Number10 Number11 Number12
_		3	Arrange Council Permits	0	Number13
	Press Enter to insert the	4	Prepare Site	0	Number14
	Area (sq m) column	5	Organise Materials	0	Number16
	Area (39 m) column	6	Lay Foundations	0	Number18
	Let's insert the second	7	Plumbing for Sewerage	0	Number19 Number2
	field but this time we'll	8	Pour Slab	0	Number20 Number3
		9	Foundations Complete	0	Number3
	search on the default field name	4			
4	Repeat step 2, but this			Area (sq	Avg Area
	time type num	4	Task Name	rm) 🔻	Per Day
	ano opo nam	1	Plans and Site	0	0
	Now all of the Number	2	Create Site Plans	0	0
	custom fields will be	3	Arrange Council Permits	0	0
		4	Prepare Site	0	0
	listed	5	Organise Materials	0	0
		6	Lay Foundations	0	0
5	Click on (Avg Area Per	7	Plumbing for Sewerage	0	0
	Day) to insert this	8	Pour Slab	0	0
	custom field	9	Foundations Complete	0	0
		5			

		area (sq m) (Number1)	%	Phys. %	Act.	Rem.	Act.
	Task Name 👻			Comp 🔻	Comp. 🔻	Dur. 🔻	Dur. 🔻	Cost
1	Plans and Site	Area (sq m) (Number1)	∴ NA	0%	0%	0 days	38 days	\$0.
2	Create Site Plans	NA	NA	0%	0%	0 days	2 days	\$0.
3	Arrange Council Permits	NA	NA	0%	0%	0 days	1 day	\$0.
4	Prepare Site	NA	NA	0%	0%	0 days	5 days	\$0.
5	Organise Materials	NA	NA	0%	0%	0 days	1 day	\$0.
6	Lay Foundations	NA	NA	0%	0%	0 days	12 days	\$0.
7	Plumbing for Sewerage	NA	NA	0%	0%	0 days	2 days	\$0.
8	Pour Slab	NA	NA	0%	0%	0 days	2 days	\$0.
9	Foundations Complete	NA	NA	0%	0%	0 days	0 days	\$0.

	Task Name 👻	Area (sq m) 🔻	Act. Start 👻	Act. Finish 🔻	% Comp 🔻	Phys. % Comp. 🔻	Act. Dur. 🔻	Rem. Dur. 💌	Act. Cost
1	Plans and Site	0	NA	NA	0%	0%	0 days	38 days	\$0.0
2	Create Site Plans	0	NA	NA	0%	0%	0 days	2 days	\$0.0
3	Arrange Council Permits	0	NA	NA	0%	0%	0 days	1 day	\$0.0
4	Prepare Site	0	NA	NA	0%	0%	0 days	5 days	\$0.0
5	Organise Materials	0	NA	NA	0%	0%	0 days	1 day	\$0.0
6	Lay Foundations	0	NA	NA	0%	0%	0 days	12 days	\$0.0
7	Plumbing for Sewerage	0	NA	NA	0%	0%	0 days	2 days	\$0.0
8	Pour Slab	0	NA	NA	0%	0%	0 days	2 days	\$0.0
9	Foundations Complete	0	NA	NA	0%	0%	0 days	0 days	\$0.0

	Task Name 🗸	Area (sq m) 🔻	num <mark>ber1</mark>	Act. Finish	-	% Comp 🔻	Phys. % Comp. 🔻	Act. Dur. 🔻	Rem. Dur.
1	Plans and Site	0	Number1	^	NA	0%	0%	0 days	38 da
2	Create Site Plans	0	Number10 Number11		NA	0%	0%	0 days	2 da
3	Arrange Council Permits	0	Number12 Number13		NA	0%	0%	0 days	10
4	Prepare Site	0	Number14 Number15		NA	0%	0%	0 days	5 da
5	Organise Materials	0	Number16		NA	0%	0%	0 days	10
6	Lay Foundations	0	Number17 Number18		NA	0%	0%	0 days	12 da
7	Plumbing for Sewerage	0	Number19 Number2 (Avg Area Per Dav		NA	0%	0%	0 days	2 da
8	Pour Slab	0	Number20	'	NA	0%	0%	0 days	2 da
9	Foundations Complete	0	Number3 Number4		NA	0%	0%	0 days	0 da

	Task Name 👻	Area (sq m) 🔻	Avg Area Per Day 🔻	Act. Start 👻	Act. Finish 🔻	% Comp 👻	Phys. % Comp. 👻	Act. Dur. 👻	Rem. Dur.
1	Plans and Site	0	0	NA	NA	0%	0%	0 days	38 da
2	Create Site Plans	0	0	NA	NA	0%	0%	0 days	2 da
3	Arrange Council Permits	0	0	NA	NA	0%	0%	0 days	10
4	Prepare Site	0	0	NA	NA	0%	0%	0 days	5 da
5	Organise Materials	0	0	NA	NA	0%	0%	0 days	10
6	Lay Foundations	0	0	NA	NA	0%	0%	0 days	12 da
7	Plumbing for Sewerage	0	0	NA	NA	0%	0%	0 days	2 da
8	Pour Slab	0	0	NA	NA	0%	0%	0 days	2 da
9	Foundations Complete	0	0	NA	NA	0%	0%	0 days	0 da

For Your Reference...

To insert a custom field:

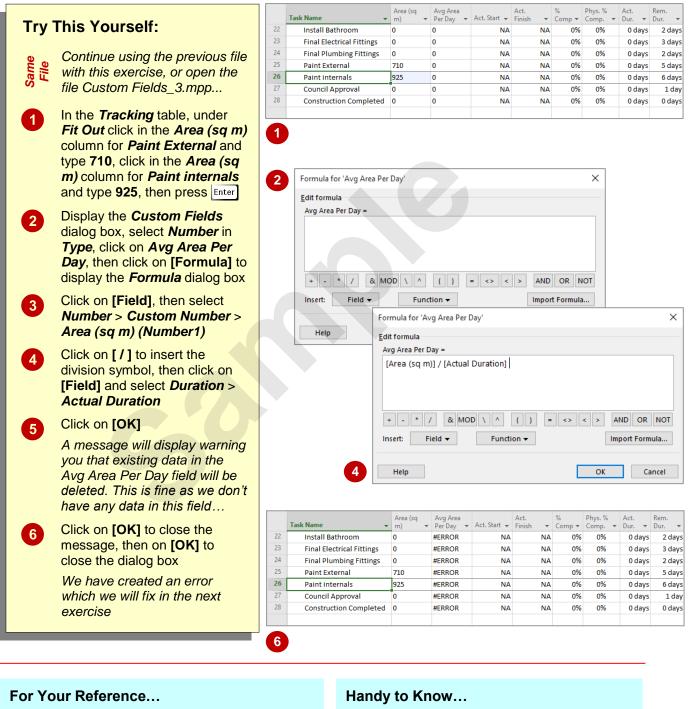
- Right-click on the heading of the column to the right of where you want to insert the custom field
- 2. Click on Insert Column
- 3. Start typing the field name or default field name, then click on the desired field

Handy to Know...

 Before adding custom fields to a standard table, you might wish to save the table as a new table. To do this, click on the *View* tab, click on *Tables*, select Save Fields as a New Table, then type a new name.

CREATING A FORMULA IN A CUSTOM FIELD

If you want to display or work with values that do not exist in fields, you can create a custom field and add a formula to create the desired values. For instance, in this exercise we will add a formula to our *Avg Area Per Day* custom field to calculate the average area per day value. The formula we want to create is the area in square metres divided by the actual duration.



To create a formula in a custom field:

- Click on the *Project* tab, click on *Custom Fields*, click on the field, then click on [Formula]
- 2. Enter the formula using the [Field], [Function] and mathematical buttons
- 3. Click on [OK]

- There are various functions that you can use in custom field formulas. For example, you can include IF THEN clauses, convert values, or format dates and numbers.
- Before creating a formula for a custom field, ensure that the field is not selected in the table.

MODIFYING A FORMULA

You must check the values that appear in a custom formula field. If you have made an error, **#ERROR** may display. This makes it easy to see when something is wrong – like in our case

where we divided the area by zero (as Act.Dur. are 0 days) which is mathematically impossible. Instead, we'll insert an *IF THEN statement* into the formula to test when *Actual Duration* is zero.

	2 Formula for 'Avg Area Per Day' X
Try This Yourself:	Edit formula
	Avg Area Per Day =
Continue using the previous file with this exercise, or open the file Custom Fields 4 mpp	IIf(expression, truepart, falsepart) [Number1]/[Actual Duration]
with this exercise, or open the	
file Custom Fields_4.mpp	
• • • • • • • • • • • • •	
In the <i>Tracking</i> table, display	+ - * / & MOD \ ^ () = <> < > AND OR NOT
the Custom Fields dialog box,	Insert: Field - Function - Import Formula
select Number in Type , click on	
Avg Area Per Day, then click on	Help OK Cancel
[Formula] to display the	
<i>Formula</i> dialog box	
2 Click at the start of the formula,	6 Formula for 'Avg Area Per Day'
then click on [Function] >	Edit formula
General > IIf(to insert the If	Avg Area Per Day =
Then statement	lif([Actual Duration] >0, [Number1]/[Actual Duration], 0)
3 Double-click on <i>expression</i> ,	
click on [Field] and insert	
Duration > Actual Duration,	+ - * / & MOD \ ^ () = <> < > AND OR NOT
then type >0 (zero) to enter the	Insert: Field
test	
If the test is true we want to run	Help OK Cancel
the formula	
4 Select [Number1]/[Actual	Task Name Area (sq m) Avg Area Per Day Act. % Phys. % Act. Rem. Task Name m) Per Day Act. Start Finish Comp Comp. Dur. Dur. Dur.
Duration] , then press Ctrl + X	22 Install Bathroom 0 0 NA NA 0% 0 days 2 days
to cut the formula	23 Final Electrical Fittings 0 0 NA NA 0% 0 days 3 days
Double-click on <i>truepart</i> , then	24 Final Plumbing Fittings 0 NA NA 0% 0 days 2 days 25 Paint External 710 0 NA NA 0% 0 days 5 days
5 Double-click on <i>truepart</i> , then press $[ctri] + V$ to paste the	26 Paint external 710 0 NA NA 0% 0 days 5 days 26 Paint internals 925 0 NA NA 0% 0 days 6 days
formula	27 Council Approval 0 0 NA NA 0% 0% 0 days 1 day
	28 Construction Completed 0 0 NA 0% 0 days 0 days
If it's false we'll make it zero	
Double-click on <i>falsepart</i> , then	
type 0	
Click on [OK] , then click on [OK]	
The Act. Dur fields are currently	
0 days so the formula appears to	
be working	
5	

For Your Reference...

To modify a formula in a custom field:

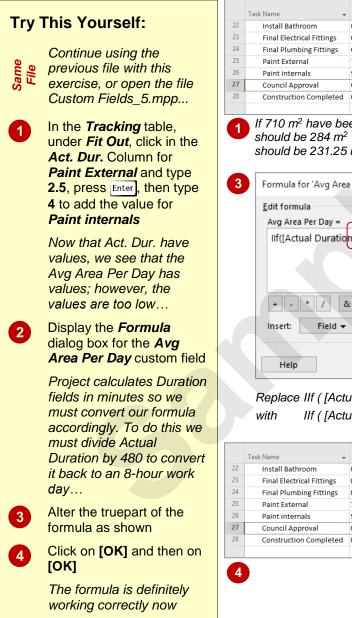
- Click on the *Project* tab, click on *Custom Fields*, click on the field, then click on [Formula]
- 2. Alter the formula as necessary using the **[Field]**, **[Function]** and mathematical buttons

Handy to Know...

IIf statements have three components: the expression represents the test (is Act. Dur > 0?), truepart says what will happen when the test is true (if Act.Dur > 0, then do this...), and falsepart says what will happen when the test is false (if Act.Dur <= 0, then do this...).

TESTING A FORMULA

When you insert a formula into a custom field, it is important that you test for all situations. In the previous exercise we determined that we needed an IF THEN statement to test for cases when the actual duration is 0 days so that we wouldn't be trying to divide a value by 0. Now we must test that the formula works when the actual duration is greater than 0 days.



	Task Name 👻	Area (sq m) 🔻	Avg Area Per Day 🔻	Act. Start 👻	Act. Finish 🔻	% Comp v	Phys. % Comp. 🔻	Act. Dur. ▼	Rem. Dur. 👻
22	Install Bathroom	0	0	NA	NA	0%	0%	0 days	2 days
23	Final Electrical Fittings	0	0	NA	NA	0%	0%	0 days	3 days
24	Final Plumbing Fittings	0	0	NA	NA	0%	0%	0 days	2 days
25	Paint External	710	0.59	⁻ ri 31/05/19	NA	50%	0%	2.5 days	2.5 days
26	Paint internals	925	0.48	Fri 7/06/19	NA	67%	0%	4 days	2 days
27	Council Approval	0	0	NA	NA	0%	0%	0 days 韋	1 day
28	Construction Completed	0	0	NA	NA	0%	0%	0 days	0 days

If 710 m^2 have been painted in 2.5 days, the average area per day should be 284 m^2 (710 / 2.5) – not 0.59 m^2 , while the internal painting should be 231.25 m^2 rather than 0.48 m^2 .

Formula for 'Avg Area Per Day'	×
Edit formula	-
Avg Area Per Day = Ilf([Actual Duration]>0,[Number1]/([Actual Duration]/480),0)	וו
+ - * / & MOD \ ^ () = <> < > AND OR NOT	
Insert: Field Function Import Formula	
Help OK Cancel	

Replace IIf ([Actual Duration] > 0, [Number1] / [Actual Duration], 0) with IIf ([Actual Duration] > 0, [Number1] / ([Actual Duration] / 480), 0)

	Task Name 👻	Area (sq m) 🔻	Avg Area Per Day 🔻	Act. Start 👻	Act. Finish ▼	% Comp •	Phys. % Comp. 👻	Act. Dur. 👻	Rem. Dur. •
22	Install Bathroom	0	0	NA	NA	0%	0%	0 days	2 days
23	Final Electrical Fittings	0	0	NA	NA	0%	0%	0 days	3 days
24	Final Plumbing Fittings	0	0	NA	NA	0%	0%	0 days	2 days
25	Paint External	710	284	⁻ ri 31/05/19	NA	50%	0%	2.5 days	2.5 days
26	Paint internals	925	231.25	Fri 7/06/19	NA	67%	0%	4 days	2 days
27	Council Approval	0	0	NA	NA	0%	0%	0 days 🗘	1 day
28	Construction Completed	0	0	NA	NA	0%	0%	0 days	0 days

For Your Reference...

To **test** a **formula**:

- Enter values into the relevant fields to check that all components in the statement are tested
- 2. Use a calculator, if necessary, to ensure that calculated values are correct

Handy to Know...

• To calculate the Duration of one work day (8 hours) is 8 x 60 minutes = 480 minutes. Therefore, the duration for 2.5 days is 1200.

UNDERSTANDING GRAPHICAL INDICATOR CUSTOM FIELDS

Graphical indicator custom fields let you display the value of a field graphically rather than numerically. For example, you might use red images to highlight specific issues with tasks, such as finishing late. Using the *Graphical Indicators* dialog box you enter tests that Project will evaluate to determine which test passes and hence which image it will insert into the field.

How Graphical Indicators Work

We have inserted a custom field called **Cost Status** into the standard **Variance** table. By using a formula, we have set this field to be equivalent to the standard **Cost Variance** field (by simply selecting **[Cost Variance]** in the **Formula** dialog box).

However, we don't want to see the actual cost variance in the table; otherwise, we would have simply inserted this field in the table. Instead, we'd like to see an overview of how each task is performing and we will achieve this by adding *graphical indicators* to the custom field. This will enable us to see at a glance tasks that are under budget (a green image will show when the cost variance is less than \$0), tasks that are on track (an orange image will show when the cost variance is less than or equal to \$750), and tasks that are over budget (a red image will show when the cost variance is greater than \$750).

Graphical Indicator Tests

To create a graphical indicator custom field, you will need to access the **Custom Fields** dialog box, then click on **[Graphical Indicators]** to open the **Graphical Indicators** dialog box for the selected field, as shown below. This dialog box requires you to enter the appropriate tests that will be evaluated so that Project can then insert the graphical image that represents the positive state of the test.

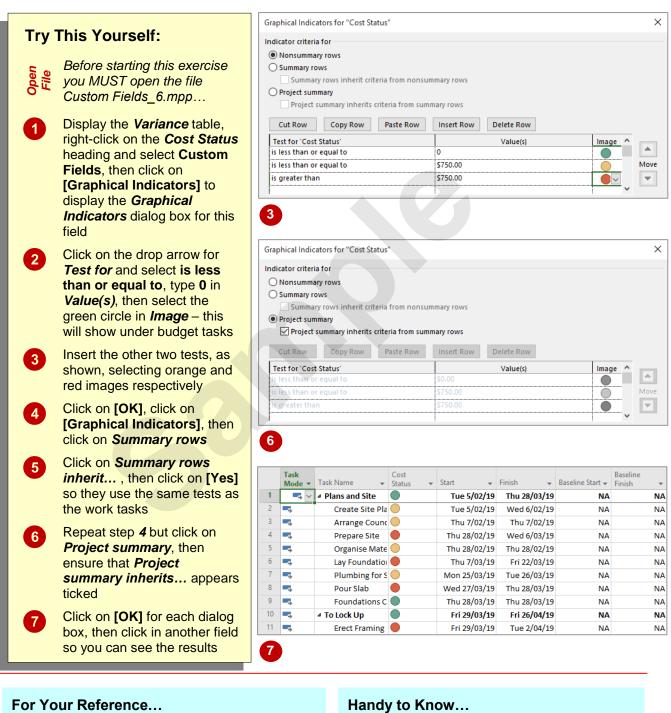
You will need to set	Graphical Indicators for "Cost Status"		×	
	Indicator criteria for			
tests for	Nonsummary rows			
each of	Summary rows			
these row	Summary rows inherit criteria from nonsu	ummary rows		
types.	O Project summary			
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Project summary inherits criteria from sun	mmary rows		The
	Cut Row Copy Row Paste Row	Insert Row Delete Row		appropriate
These tests	Test for 'Cost Status'	Value(s) Image 4	·	Image will
must cover	is less than or equal to	0		display in
all possible	is less than or equal to	\$750.00	Move	the custom
Values.	is greater than	\$750.00		field based
		,	/	on which
	To display graphical indicators in place of actua image to display. Tests are applied in the order Show data values in TooITips	test is positive.		
	Help	Import Indicator Criteria OK	Cancel	

There are several important things to note when entering tests into the **Graphical Indicators** dialog box.

- You must specify as many tests as are necessary to cover all possible values of the particular field. For instance, we have three tests to cover all situations for the *Cost Status* field as specified above.
- You must enter the tests into the dialog box in the correct order. Project works by evaluating the
 top test first and if that test passes, Project will insert the specified image into the field. If the first
 test fails, Project moves onto the second test, evaluates it and if it passes, inserts the image
 specified for that test. This continues until all tests have been evaluated, if necessary, and an
 image has been inserted into the custom field in the table.
- You will need to enter tests for the three types of rows: nonsummary rows (which are simply all of the work tasks), summary rows and the project summary. To do this you will need to access the Graphical Indicators dialog box three separate times, one for each of the different types of rows. If you want to use the same criteria in the Summary rows as you entered for the nonsummary rows, you can simply click on Summary rows inherit criteria from nonsummary rows. Likewise, you can use the same criteria in the Project summary as you entered for the summary rows by clicking on Project summary inherits criteria from summary rows.

CREATING GRAPHICAL INDICATOR CUSTOM FIELDS

Project table data typically appears as rows of data. But if you would like to see at a glance how tasks are tracking, you can display custom field values graphically rather than numerically. In this exercise, we will add graphical indicators to a custom field so that we can see which tasks are under, on or over budget.



To *insert graphical indicators* into a custom field:

- 1. Right-click on the custom field heading and select Custom Fields, then click on [Graphical Indicators]
- 2. Insert tests for nonsummary rows, summary rows and the project summary

You can create a custom field (using a • formula to make it equivalent to the standard Finish Variance field) to show graphically all tasks that finished ahead of schedule (is less than or equal to 0d), on time (is less than or equal to 5d), or late (is greater than 5d).

CREATING A LOOKUP CUSTOM FIELD

You can make data entry faster and more accurate by creating lookup tables of valid options from which to choose. Lookup tables work for all custom fields types except flag fields as they have only two options: yes and no. For outline fields, which we'll use, you can set up a template for the rules that the field values have to follow. We'll start by creating an outline code field.

		2 Custom Fields X]
Try Tl	his Yourself:	Field	
t Same File	Continue using the previous ile with this exercise, or open the file Custom Fields_7.mpp Click on the Project tab, click on Custom Fields , then select Outline Code in Type	Task Resource Project Type: Outline Code Field Account Code (Outline Code1) Outline Code2 Outline Code3 Outline Code4 Outline Code5 Outline Code5 Outline Code6 Outline Code7 Rename Delete Add Field to Enterprise Import Field	
2 E ii [Ensure that <i>Outline Code1</i> s selected, click on Rename] , type Account Code in <i>New name for</i> , then click on [OK]	Custom attributes None Lookup Formula Calculation for task and group summary rows None Rollup: Use formula Calculation Edit Lookup Table for Account Code	×
	Now we need to specify that his is a lookup table field	Over Solution Normal Solution Normal Solution Solut	<u>E</u> dit Mask
	Click on [Lookup] under Custom attributes to display the Edit Lookup Table dialog box	● Data table, including adding or deleting levels. Code preview: • Help ► Lookup table ↓ ₩ ₩ ♦ ₩	
6 (Here you can either simply enter the values and description in the rows, or first set up a code mask to define the rules that each code must comply with	Row Value Description	Move
t t	Click on + beside Code mask (optional) at the top of he dialog box to expand this section	☐ Display indenting in lookup table	~
ļ ć	Now you can see the code preview as well as have access to the [Edit Mask] command.	Use a value from the table as the default entry for the field Set Default (Click button after selecting a value above) Display order for lookup table Data entry options	
	eave this dialog box open for the next exercise	4 Help Import Lookup Table	Close

For Your Reference...

To create a custom field with a lookup table:

- 1. Click on the *Project* tab, then click on *Custom Fields* in the *Properties* group
- 2. Select the appropriate *Data type*, then rename the new field
- 3. Click on **[Lookup]**, then enter the required values and descriptions

Handy to Know...

• Outline code custom fields contain an alphanumeric code that you define to represent a hierarchical structure of tasks or resources. You can use them to group tasks or resources. For example, you can create outline codes to represent job codes or accounting cost codes associated with tasks.

CREATING AN OUTLINE CODE MASK

When you are creating a lookup table for an outline code custom field, you can choose to create a code mask. A code mask is a template that comprises the rules that all values for this

outline code must follow. We'll define two outline levels: the first comprising four characters and the second comprising three numbers.

 Try This Yourself: Continue using the previous file with this exercise Click on [Edit Mask] to display the Code Mask Definition dialog box Let's define Level 1 Ensure that Characters is selected in Sequence, then 	3 Code Mask Definition for Account Code Code preview: ****.1 Code mask: Level Sequence Length Separator Notice the code preview: the asterisks (*) represent the four characters and the 1s represent the three numbers in the code.
 click in <i>Length</i> and type 4, leaving the full stop as the <i>Separator</i> Click in <i>Sequence</i> in the next row, click on the drop arrow and select Numbers, then type 3 in <i>Length</i> Click on [OK] to return to the <i>Edit Lookup Table</i> dialog box <i>Leave this dialog box open for the next exercise</i> 	4 Edit Lookup Table for Account Code ×
	Display indenting in lookup table Use a value from the table as the default entry for the field Set Default (Click button after selecting a value above) + Disglay order for lookup table + Data entry options Help Import Lookup Table Close

For Your Reference...

To *create* a *code mask* for an *outline code field*:

- 1. Display the *Custom Fields* dialog box for the field
- 2. Click on [Lookup], expand Code mask, then click on [Edit Mask]
- 3. Specify the levels, each with their sequence, length and separator

Handy to Know...

- You can specify as many outline levels as required for an outline code lookup table.
- In the Sequence field you can choose from Characters, Numbers, Uppercase Letters and Lowercase Letters.

ENTERING LOOKUP TABLE VALUES

Using the *Edit Lookup Table* dialog box you can add the required values and their descriptions to the lookup table. Because we created a code mask in the previous exercise, we need to enter the values carefully so that they conform to the rules specified in the mask. As well as adding values, you can also specify other options such as the display order, default value, and more.

		2 Edit	Lookup Table for Account Code	e	×
Try This Yourself:			<u>C</u> ode mask (optional)		
	Continue using the previous file with this exercise	table level	can edit the mask for the lookup e, including adding or deleting s. e preview: ****,111		<u>E</u> dit Mask
1	In the <i>Edit Lookup Table</i> dialog box, type Plan in the first <i>Value</i> field, then click in <i>Description</i> and type Planning Type 100 in the second <i>Value</i> field,		Loo <u>k</u> up table Image: Base in the second s	Description	
	then click in Description				
	The value will be red because you haven't typed four characters. We need to tell Project this value is actually a second level value	- You	Lookup Table for Account Code <u>C</u> ode mask (optional) can edit the mask for the lookup <u>i</u> , including adding or deleting		X
3	Click on <i>Indent</i> (right pointing arrow), then type Residential Planning	level Code		6 8 .	
4	Type 200 in the next Value field, then type Industrial Planning in Description	Rov 1 2 3	V Value V Value V 100 200	Description Planning Residential Planning Industrial Planning	^
5	Type Cons in the next <i>Value</i> field, then click in <i>Description</i>	4 5 6	▲ Cons 100 200	Construction Residential Construction Industrial Construction	Move
	Again you'll get another error. This time the value must be outdented to level 1				
6	Click on <i>Outdent</i> , type Construction in <i>Description</i> , then complete the details as shown		isplay i <u>n</u> denting in lookup table se a value from the table as the c	default entry for the field	~
1	Expand Data entry options , then click on Allow only codes that have no subordinate values so it appears ticked		<u>Set Default</u> (Click button afte Dis <u>p</u> lay order for lookup table Data entry options	r selecting a value above)	
8	Click on [Close], then click on [OK]		<u>H</u> elp	Import Lookup Table	Close

For Your Reference...

To enter values in an outline code lookup table:

- 1. Display the *Custom Fields* dialog box for the field, then click on [Lookup]
- 2. Type the values (in/outdenting as needed) and descriptions obeying the code mask if one has been set
- 3. Set other options as required

Handy to Know...

- To enter details in the outline code rows that contain very similar details, use the *Copy Row* and *Paste Row* tools in the *Edit Lookup Table* dialog box.
- Ensure that the *Display indenting in lookup table* option is selected.