

GETTING STARTS WITH SIMPLE PAYROLL FAST FORMULA

Abstract
Modify system generated payroll fast formula and create new Element Input validation formula

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Assumption: Assume user have proper role to create Element, Modify Fast Formula, Add Element Entry and Run Simplified QuickPay.

1. Create Element

Name: XX Project Allowance

Create Element		×				
* Legislative Data Group	GB Legislative Data Gro	up 🗸				
* Primary Classification	Regular Earnings	~				
Secondary Classification		~				
* Category	Standard					
	Continue	Cancel				
< Element Summar	y: XX Proj	ect Allowance ©				View History
Primary Classification Regu	ular Earnings		Legislative Data Group	GB Legislative Data Grou	p	
Reporting Name Proje	ect Allowance		*Effective As-of Date	1/1/51	tio -	
lement Overview Elem	ent Details					End Date Edit 🔻
Actions View View View View View View View View	Element Name Element Code Primary Classification condary Classification Category	XX Project Allowance XX Project Allowance Regular Earnings Standard		Reporting Name Description Effective Start Date Effective End Date	Project Allowance Project Allowance 1/1/51	
Stan	dard Rules ⑦					
Element Eligibility	Recurring entry	Recurring			Entry Values	
Project Allowance ope	Employment Level	Assignment level			Automatic entry	
Status Processing Rules		 Balance adjustments only Closed for entry 			Processing Options	
		 Accept results from formulas only 			✓ Process in payroll run	
Autoindirect Rules					✓ Process once per period	
Frequency Rules				Priority	2500	
Retroactive Components				Skip Rule Expedited Processing Rule	GLB_EARN_SKIP_RULE	

Note: Element Template automatically generates the standard Payroll Fast formula for regular earning/deduction elements depends on calculation rule, it associates the predefined formula. Auto generated can be modify as per requirement. A custom formula can also be created and associate formula results in status processing rule.

For demonstration purposes, the formula, that was created with the above element, has modified. To make it simple, delete default input values and keep only three input values.

Formula Name: XX Project Allowance Earnings

Modified this formula

< Fast	Formu	las ©							~		
▲ Search									Advanced Saved Search	All Formulas	~
Formula Name Description	XX%Project%				Compile *Effective As-	of Date 1/4/25	~ 60			* 5	Required
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Associate the formula return value with the target input value.

Primary Classificatio Reporting Nan	n Regular Earnings Project Allowance			Legislative *Effectiv	e Data Group ve As-of Date	GB Legislative Data	Group			
Ilement Overview	Edit Processing Rule: XX Pro	oject Allowance Earning	s (?)							Actions 🔻
Actions V View V II II II III	Balance Adjustment No Assignment Status All Formula Name XX Projec Formula Result Rules Actions View + + 3	t Allowance Earnings				Ef	fective Start Date	1/1/51		
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Project Allowance ope	mesg	Message				Information		1/1/51		1 :
Status Processing Rules	l_value	Direct Result		Pay Value	Money			1/1/51		1
Autoindirect Rules	L_HOURS	Direct Result		Hours Worked	Number			1/1/51		
Retroactive Components										

Now create some other formula that can be used with this element.

1. Element Input Validation Formula

Note: To access Manage Fast formula, User must have appropriate role that should inherit Fast Formula Management duty role.

Navigate to -> Fast Formula

Name: XX_HOURS_VALIDATE

Type: Element Input Validation

✓ Fast Formulas											
▲ Search							Advanced	Saved Search	All Formulas		
Formula Name Description Type V	*Effe	Create Fast Formula * Formula Name * Type Description	XX_HOURS_ Element Input	VALIDATE t Validation t Validation fo	× v rmula				Search	* Reset	Requir
Search Results Actions View Format Local Compute Name Type	Detach Description Com	Effective Start Date	1/1/51 Text	Continue	Cancel	Effective	Start Date	Effective	End Date		Edit
No search conducted.				Continge	Guilder]					

Add Formula Text, Save and Compile

Click on "Refresh" button to check status.

*Formula Name Type	XX_HOURS_VALIDATE Element Input Validation	Legislative Data GB Legislative Data Group Group Effective As-of Date 1/1/51	
ormula Overview	Formula Details Effective Start Date 1/1/51 Effective End Date Formula Details	lidation fo Save Submit Cancel Database Item	s Functions Globals
	Formula Text	Text base Item Search Datab Database Iten View - A Database I No data to dis Labas (satax_value)	ns ⑦ ase Item Name

Compile status will be green when the formula successfully compiled.

< Create	Fast Formula: XX_HOU	RS_VALIDATE ©		Compile Refresh
*Formula Name Type	XX_HOURS_VALIDATE Element Input Validation	Legislati Effective As-	GB Legislative Data Gr Group of Date 1/1/51	oup
Formula Overview Formula Name	Formula Details Effective Start Date 1/1/51 Effective End Date	Description Element Input Validation fo	Save Submit Cancel	Database Items Functions Globals
	Formula Text	uee 		Database Items ⑦ Search Database Item Name Database Items View Add to Formula Database Item

FORMULA NAME: XX_HOURS_VALIDATE

FORMULA TYPE: Element Input Validation

CREATED By : GANESH

DESCRIPTION: Validate Element Input Values

/* Default Section*/

DEFAULT FOR entry_value is 0

/* Inputs Statement Section */

INPUTS ARE entry_value

/*Negative value not allowed*/

if entry_value<=0 then

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```
(
formula_status = 'E'
formula_message = 'Worked hours must be greater than Zero. Worked Hours = '||to_char(entry_value)
)
else
(
formula_status = 'S'
)
```

```
return formula_message, formula_status
```

After successful compilation, associate this formula with Element Input values.

Search Element, change effective date (01/01/1951)

▲ Search								Advanced Saved Sear	Element	Search v
										* Required
**				**						At least one is required
Element Name	X Project Allowance			Element C	lassification Name					
** Reporting Name				*E	ffective As-of Date 1	/1/51	Co.			
Description				*Legi	slative Data Group	GB Legislative Data G	roup ~			
									Se	arch Reset Save
Search Results										
View - >>										
Element Name	▲ ♥ Description	Element Classifi	cation Name Rep	porting Name	Legislative Data Group	Effective Star	t △▼ Effective E	ind Date Sta	atus	Actions
XX Project Allowance	Project Allowa	ance Regular Earnings	Pro	ject Allowance	GB Legislative Da	ta 1/1/51	12/31/12		9	
Columns Hidden 2									-	
Element Overview Actions V View V MXX Project Allowance Hours Worked Pay Value Element Eligibility Project Allowance	Edit In Default Va	put Value : Hou *Name *Display Sequence Special Purpose *Unit of Measure Effective Start Date Effective End Date	rs Worked ® Hours Worked 1 Number 1/1/51	×			Rate Formula	Displayed Allow User Entry Required Create a Database Apply default at r	Save	Submit Cancel
XX Project Allow	s rance [4 Default Er	Default ntry Values and Validation	0					— Apply default at h	un ume	
Frequency Rules					Validation F	ormula XX_HOURS_	VALIDATE			
Retroactive Compor	ients	Minimum			Ret	erence	~			
Iterative Rules		Maximum			Looki	n Type		~		
Subclassification Ru	les				20040	e (2017)				
Balance Feeds		Warning or Error Error	r		Validation	Source				
Calculation Factors					Va	lue Set				
Run Type Usages	U.									

Select the Input value to attach this validation formula. Use "CORRECTION" Mode to correct the record with the correct effective date. Add the Validation Formula that has just created and also add warning or error if fails fail in validation.

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To test Element Input Validation, you need to add this element to the Employee through element entries. Search Employee, set effective date as 01/03/2025

Click on Element Entries, Add Element XX Project Allowance that created as on 01/03/2025

* Effe	ective Date 1/4/25	i o	_				
Element Entries ⑦	Create Element	Entry	×				
Actions 🔻 View 👻 🕂 🎤 Edit	👻 🔀 🗟 Detach		* Effective Date	3/1/25	i o		
4			* Element Name	XX Project Allowance	•		
Element Name	Primary Entry Value	Value Name	So * Assignment	E10001212	~	Effective Start Date	Effective End Date
Basic Salary UK	50,000.00	Amount	Sa Override Entry			12/1/24	
Pensions Automatic Enrolment			De	Continue C	ancel	12/1/24	
Tax and NI			Deduction Card	Payroll Re 1	_	12/1/24	
Occupational Sick Pay Adjustment			Element Entry Page	Payroll As 1		12/1/24	
Transport Allowance	80.00	Amount	Element Entry Page	Payroll As 2		1/1/25	1/31/25
Columns Hidden 10							

Test 1: Test Element Input validation formula to validate Input value,

Add negative value in "Hours Worked" Input field and Save

Application will throw error with message.

The validation formula XX_HOURS_VALIDATE failed with an error status when the current entry value was passed (PRV-1635147) The validation formula error message is <u>Worked hours must be greater than Zero. Worked Hours = 180</u> Use the error text to diagnose the reason for failure. If no error text is returned, the validation formula must be changed or a validation override message must be end to be a validation overide message must be end to be a validation ove	ist be defined.
	U.
Element IX-Stroject Allowance Entry Type Element Entry Assignment Number E10001212 Element Classification Regular Earnings Subpriority Element Processing Type Recurring	2
General Information Costing	
A General Information Histor	iry 💌
Effective Start Date 3/1/25 Processed Sequence Number	
Effective End Date Retroactive Creator Type Element Entry Page Entry No	_6
I Entry Values ⑦	
* Hours Worked 1.5	
Pay Value A Extra Details	

No Error when enter positive Value.

		Element Testing: Person	Management							Close
t	=	Person Number 10001212	-							
Emp	oloyment × Element Entri	es ×								Ξ
		* Effective Date 3/1/25	Če.							Q
A	Element Entries ⑦									0
A	ctions 🔻 View 👻 🕂	🖋 Edit 👻 🔀 🚰 Detach								
2										
	Element Name	Primary Entry Value	Value Name	Source	Employmen Level	Sequence Number	Effective Start Date	Effective End Date	Edit	
	Basic Salary UK	50,000.00	Amount	Salary Proposal	Payroll As	1	12/1/24			
	Pensions Automatic Enrolme	ent		Deduction Card	Payroll Re	1	12/1/24		ŵ	
	Tax and NI			Deduction Card	Payroll Re	1	12/1/24		in a	
	Occupational Sick Pay Adjus	stment		Element Entry Page	Payroll As	1	12/1/24		/	
	XX Project Allowance			Element Entry Page	Payroll As	4	3/1/25		/	
c	olumns Hidden 10									

Test 2: Test Payroll formula (XX Project Allowance Earnings) that modified above

Step1 – Add Element, XX Project Allowance from 01/03/2025 and add require value

Already done above

Step 2: Run Quick Payroll for an employee

My Client Group->Payroll-> Simplified QuickPay

	Payroll Process Configuration	9 Payroll Relationships	Payroll Security Profile	Payslips
	Person Results	9 Personal Payment Methods	Process Results Summary	QuickPay Payments
0	Rate Definitions	Review Journal Entries	Run Types	Simplified QuickPay

Note: if require to run Quick Payroll for previous/Future pay period, need to change effective date, otherwise it will take current pay period as current date.

Element added as on effective date, 1/03/2025, need to change date and save the search.

Simplified QuickPay			
Search fo Advance Su No suggesti	r a Person sarch nas Inderplay	Search Person	
Pending worker Effective As-of Date Clear 3/1/25			
FacetedSearchVOCriteria Save Filters Reset Expand All Collapse All	ET Name Element Testing Business Title Manager		
^ Person Name Q	Assignment Number E10001212 Person Number 10001212 Worker Type Employee Assignment Status Active - Payroll Eligible		

Click on Employee Name, Verify Date Earned, Period and Element entries.

Click "Submit" if ok.

Calculate	e QuickPay: Qui	ckPay_Testing, Elemer	nt_2025-03-01:	Testing, Ele	Actions V Si	bmit <u>C</u> ancel
ET Person	Number 10001212					-
*Payroll Name *Period Name Run Type	UK Monthly Payroll V 12 2024 Calendar Month V Regular V	Date Earned Process Date Consolidation Group	3/31/25 0 3/31/25 0 UK Consolidation Group ~	Process	Configuration DEFAULT GRC	UP
Clement Name	Q Show Filters	Duration Dates 12 2024 Calendar Month 3/1/2	25 - 3/31/25 × Entry Type	Element Entry × Override ×	:	
indard Entries						Add
 Select All (0 entry re Element Name XX Project Allow: Element Classifica Regular Earnings 	cords excluded) ance tion Name		Payroll Assignment E10001212 Effective Start Date 3/1/25 Effective End Date			~
Element Name XX Project Allows Element Classifica Regular Earnings Sequence Number 1 Hours Worked 160 Pay Value	unce tion Name r		Payroll Assignment E10001212 Effective Start Date 3/1/25 Effective End Date Rate 1.5 Subpriority			,
Element Processin Recurring Entry Type	д Туре		Retroactive entry — Element Currency			
Calculat	e QuickPay: Qui	ickPay_Testing, Eleme	ent_2025-03-0	ı: Testing, Ele	Actions	Submit Cancel
Task List	: QuickPay_Tes	ting, Element_2025-0	93-01: Testing,	Element		Actions
ET Person N	lumber 10001212					
Ň	Calculate QuickPay			S	Actions	
8	View SOE			0	Actions	

ET	Person Number	10001212						-
cess	3/31/25 Calculate QuickPa	ıy Regular Normal						~]
State	ement of Earnin	gs						Actions Printable Page
3,0	016.98 _{GBP}	4,406.67 _{GBP}	1,389.69 _{GBP}	503.52	GBP			
	Horray	Earnings						Chara Dataila
Creek	in Mat	Balance Name		Pay run	Pay period	Tax year to date		Show Details
GIOSSI	IO NEL	Basic Salary UK		4,166.67 GBP	GBP	GBP	-	
	Balance Name	Basic Salary UK		GBP	4,166.67 GBP	GBP	y period	Tax year to date
	Gross Pay	Transport Allowance		0.00 GBP	GBP	380.00 GBP	GBP	17,286.68 GBP
	Gross Pay	XX Project Allowance		240.00 GBP	GBP	240.00 GBP	6 67 cm	GBD
,	Giossitay	XX Project Allowance		GBP	240.00 GBP	GBP	O.OT GDP	GUP
•	Net Pay	-			*		GBP	11,870.72 GBP
	Net Pav	3000029	531708.UK Monthly Pavroll		GBP	3.0	16.98 GBP	GBP

Click on Message from Action List to view formula message

occess 3/31/25 Calculate QuickPay Regular Normal Actions Printable Page Actions Printable Page Batance Results Run Results Run Results Run Results Run Results Run Results
Statement of Earnings Actions Printable Page ^
Gross to Net Costing Results
Balance Name Reference Pay run Tax year to datu
Person Number 10001212
cess 3/31/25 Calculate QuickPay Regular Normal
Messages Actions
Status Process Messages Details
CuickPay Calculation of worked Hours = 160 and Rate =1.5 for element XX Project Allowance is value 240

This can be used for formula debugging also.