

# Payroll (HCM II)

This case study describes the process for a payroll. This establishes the basic connection between the information of hiring employees and the creation of the payroll.

#### **Product**

S/4HANA 2022 Global Bike

Fiori 3.0

#### Level

Beginner

### **Focus**

**HCM** Payroll

#### **Authors**

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#### Version

4.2

## **Last Update**

August 2023

#### **MOTIVATION**

This case study represents an introduction to human resource related organizational management and personnel administration in a human resource management system on the basis of the HCM (Human Capital Management) module of an SAP S/4HANA system.

In the HCM curriculum processes for recruitment and further education of employees were explained in detail. Furthermore important InfoTypes for hiring an employee are shown.

In this case study you will learn about new InfoTypes in order to create a payroll.

#### **PREREQUISITES**

Before you use this case study, you should be familiar with navigation in the SAP system.

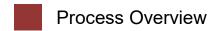
In order to successfully work through this case study, there are no special requirements. However, it is recommended to have completed the HCM case study and the related exercises.

#### **NOTES**

This case study uses the Global Bike (GBI) data set, which has been created exclusively for SAP UA global curricula







Learning Objective Understand and perform a Human Resource process.

Time 45 min

**Scenario** In order to create a payroll for an employee, you will perform the role of the recruiting manager and the payroll officer. You will work in the areas Human Capital Management (HCM) and Financials (FI).

**Employees involved** 

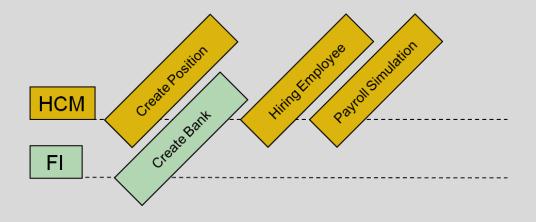
Marco Romero (Recruiting Officer)

August Faust (Payroll Officer)

Before starting the payroll process, a new position of Marketing Manager has to be created. After this, a new employee will be hired to fill the position. The following InfoTypes will be created for payroll::

- Working Hours
- Base Salary
- Bank Details
- Capital Formation
- Taxes and Social Insurance
- Workers Compensation Association

The following chart presents the complete process (4Tasks).



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# Step 1: Create Position

**Task** Create a new position within the organizational structure.

Time 10 min

**Short Description** Use the SAP Fiori Launchpad to create a position for the marketing department.

Name (Position) Marco Romero (Recruiting Officer)

**Positions** are occupied by employees. If a position is not occupied, it is vacant. Positions are assigned to organizational units.

**Positions** 

To create a position, use in the *Human Capital Management* area on the *Payroll* page in the *Recruiting Officer* role the app *Organizational Management*.



Change the previewed periods to be able to create positions which are valid for the past. Therefore, please click and enter 1st of the last month as start date. Also enter 1 year in the future as Preview period. Click on

1<sup>st</sup> last month 1 year

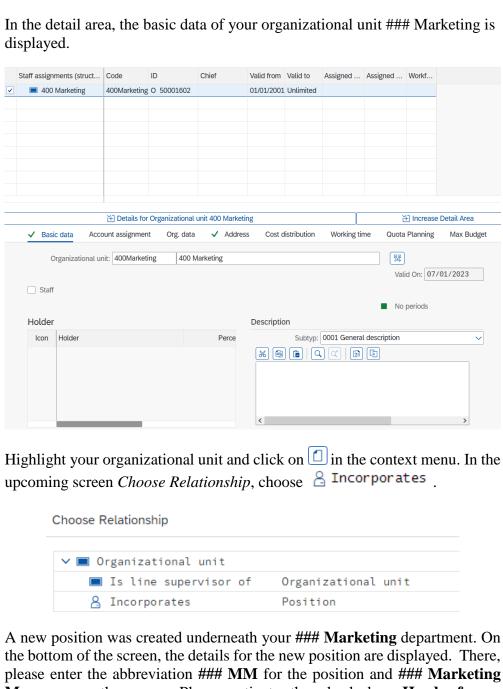
The positions should be created in the department ### Marketing, ### being replaced by your group/computer number. Therefore, please go to the window *Find by* on the left side of the screen. There, click on **Organizational unit** → **Search Term**, enter the search term ### Marketing in the name entry field and press ✓ Find. The search result should be displayed in the Hit list window on the left side of the screen.

### Marketing



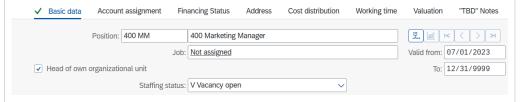


Please choose your organizational unit via double-clicking so that it appears on the right side of the screen.



### Marketing Manager Head of unit

Manager as the name. Please activate the check box Head of own organizational unit.



1st of last month

In the Valid from field, the 1st of the last month was automatically entered, provided you adjusted the start date accordingly at the beginning.

Press Save to save your new position. As you may have noticed, the overview area has already updated during editing.

Staff assignments (structure)	Code	ID	Chief				
✓ ■ 400 Marketing	400Marketing	O 50001602	400 Marketing Manager				
400 Marketing Manager	400 MM	S 50004342					
Click SAP to return to the SAP Fiori Launchpad.							



# Step 2: Create Bank

Task Create a new bank.

Time 5 min

**Short Description** Use the SAP Fiori Launchpad to create a bank, which is used as house bank for the new employee later.

Name (Position) August Faust (Payroll Officer)

To create a bank, use in the *Human Capital Management* area on the *Payroll* page in the *Payroll Officer* role the app *Manage Banks*.

Manage Banks



To create a new bank select Create

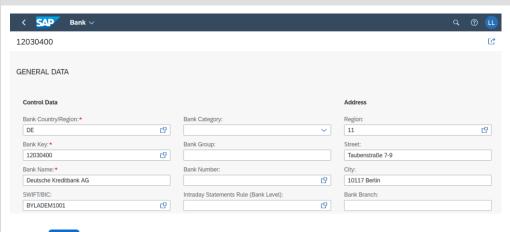
Choose **DE** for Germany as Bank Country. As Bank Key enter **12030**### (replace ### by your group/computer number). This Key represents the Bank identifier code of the new bank. Confirm your entries by pressing Enter.

DE 12030###

**Note:** The Bank identifier Code for this case study is based on the code for the "Deutsche Kreditbank AG". If you want to choose realistic values, you can enter the following data:

The Bank name is **Deutsche Kreditbank AG**. As Region enter **11** and **Taubenstraße 7-9** in **10117 Berlin** as address. As SWIFT/BIC enter **BYLADEM1001** and as Bank number reenter the Bank Key.

Deutsche Kreditbank AG 11 Taubenstraße 7-9 Berlin BYLADEM1001



Press Save to accept your data and create the bank. The system issues a corresponding message.

	Bank created	
Click to return	to the SAP Fiori Launchpad.	



# Step 3: Hiring Employee

Task Hire a new employee.

Time 20 min

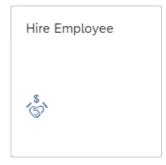
**Short Description** Use the SAP Fiori Launchpad to hire a new employee as the ### Marketing Manager.

Name (Position) Marco Romero (Recruiting Officer)

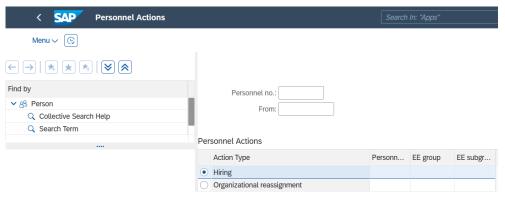
**Note:** The process for hiring an employee is shortened in this case study because of the focus being on the InfoTypes used for the payroll process. If you are not familiar with the hiring process, it is recommended that you take a look on the Human Capital Management I case study.

To hire an employee, use in the *Human Capital Management* area on the *Payroll* page in the *Recruiting Officer* role the app *Hire Employee*.

Hire Employee



Select the personnel action *Hiring* and make sure that the Personnel number field is empty.



Press to apply the personal action.

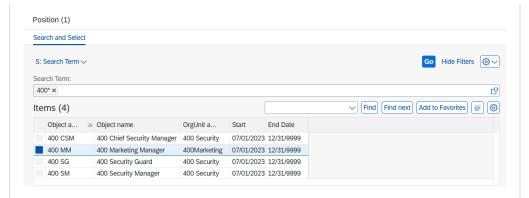
The action shall start at the  $1^{st}$  of the current month. In the section *Organizational assignment* use the value help symbol  $\Box$  in the field *Position*.

In the popup that opens, search for your position ###\* and then select the ### Marketing Manager.

1st current month

###\*

### Marketing Manager



Confirm the selection with As Personnel area enter **HH00** (Hamburg) and the Employee group is **1** (active). Because the new employee is head of his department he will join the Employee subgroup **DS** (Executive employee). Confirm your entries with Enter.

HH00 1

DS

#### Organizational assignment

Position: 50004342

Personnel area: HH00

Employee group: 1

Employee subgroup: DS

Press Save to save the action. You will be automatically directed to the next screen. Write down the personnel number of the employee, which you can find in the upper part of the screen in the Personnel.No. field.

Personnel number:

Title

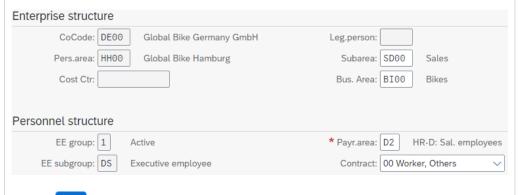
Last name with "M" 03/26/1983 German

In the *Create Personal data* infotype, please determine the **title** and enter both a **last name** (must begin with an M for the case study) and **first name** of your choice. Enter **26.03.1983** as the *date of birth* and specify **German** as *language* and *nationality*. Finally, you can select the appropriate *gender* if you wish.

< SAP C	reate Personal data		Search In: "App
Menu∨ 🗗 🕞 [			
Personnel No:	1096		
* Start: 0	* To: 12/31/999	9	
Name			
Title:	Ms. ∨	Title:	<u> </u>
Last Name:	Meyer	2ndTitle:	<b>∨</b>
First Name:	Susann	Initials:	
Name prefix:	~	Other title:	~
Name prefix: Formatting:	<u> </u>	Other title:	Spec.format:
·	~	Other title:	
Formatting:		Other title:	
Formatting:  Additional Data  Birth Name:  Name Prefix:	03/26/1983	Other title:	Spec.format:
Formatting:  Additional Data  Birth Name:  Name Prefix:		Other title:	Spec.format:
Formatting:  Additional Data  Birth Name:  Name Prefix:  * Birthdate:	03/26/1983	Other title: Gender:	Spec.format:
Formatting:  Additional Data  Birth Name:  Name Prefix:  * Birthdate:  Birthplace:	03/26/1983  DE German	Other title: Gender:	Spec.format:
Formatting:  Additional Data  Birth Name:  Name Prefix:  * Birthdate:  Birthplace:  * Language:	03/26/1983  DE German	Other title: Gender: C/R Birth:	Spec.format:

Press Save to confirm your data for this infotype. You will be automatically redirected to the next infotype again.

In the *Create Organizational Assignment* infotype, **SD00** should already be specified as a personnel *subarea* in the *Enterprise structure* area, otherwise correct this. Furthermore, select **00 Worker**, **Others** as the employment relationship (*Contract*).

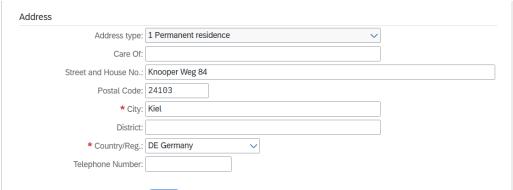


Select Save, the *Delimit Vacancy* popup opens. Confirm the delimitation of the vacancy of your position by clicking on Yes.

In the *Create Addresses* infotype, enter data of your choice for the **street** and **house number** in the associated field. Enter **Kiel** as the city and **24103** as the postal code. The country key is selected automatically.

SD00 00 Worker, Other

> street house number Kiel 24103



Continue by pressing Save

In the following InfoType the working time can be determined. The employee has a full-time job, so nothing needs to be changed here.

Click Save to move on to the next infotype.

In the following InfoType the Basic pay for our employee is set. In the section Pay scale, choose **90 Festgehälter** (fixed salary) as Type, **07** (Hamburg) as Area and the Group **001** with Level **01**. After accepting your entries with Enter you can see an amount for the payment of **3,500.00 Euro**.

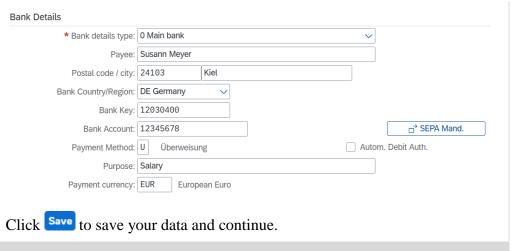
Pay sc	ale			Further Inf	ormatio	n				
	* Type: 90 Festgehälter			Capac	ity U	til. Leve	el: 100.00 %			
	* Area: 07 Hamburg			EESubgroupGrpg.: PER Periodic (salary				alary)		
	* Group: 001 Level: 01		: 01	Work hours/period: 163.00 Monthly						
				A	nn.salary	/: <u> </u>				EUR
Wa	Wage Type Long Text	(	Ope Amount		Curr	l	Ad	Number/Unit	Unit	
MA90	Non-Standard Salary			3,500.00	EUR	I	<b>✓</b>			

**Note** The pay scale type is a country-specific term. Commonly the translations aren't useful and as the recruiting officer you have to know the terms. Marc Meyer (the employee you are editing) belongs to the German company code therefore the term is 'Festgehalt' (German for fixed salary).

To move to the next infotype, save your entries with Save

In the following InfoType the bank account for payment is created. Choose as Bank Key 12030### and enter an eight digit number as Bank Account. Choose Salary as purpose.

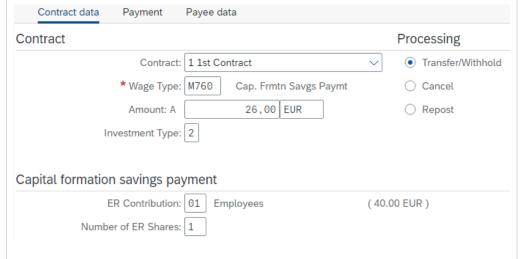
12030### Eight-digit number Salary



**Note** In addition to the normal salary, it is also possible to pay an employee benefits for capital accumulation. This is based on the amount that is paid by the employee and the amount paid by the employer.

In the *Create Capital Formation* infotype, enter **26.00 EUR** as the amount. Use the value help icon to select the **Building Soc. Saving** investment type.

26 EUR Building Soc. Saving



Switch to the Payee data tab.

Use the value help icon to select **Badenia Bausparkasse GmbH** as the recipient. Confirm the selection with Enter to have the remaining fields filled automatically. As you can see, the reason for payment is generated from the personnel number and the last name.

Badenia

```
Payee: DBADENIA Badenia Bausparkasse GmbH

Postal code / city: 75134 KARLSRUHE

Bank Country/Region: DE Germany 
Bank Key: 45000015

Bank Account: 1234567891

Payment Method: U Überweisung 
Purpose: 00001098/Meyer
```

To move to the next infotype, save your entries with Save.

In the following InfoType the relevant *fiscal data* is maintained. Enter **12345678995** as Ident. No. As Municipality enter **01002000** and for Tax Authority **2119**. The Tax class of your employee is **1** and he doesn't have to pay Church Tax **(00)**.

12345678995 01002000 2119 1 00

Identification No.:	12345678995		)		Submission
Municipality:	01002000		,		Not Submitted
Tax Authority:	2119				
Tax Class:	1	Children:			
Factor:					
Church Tax:	00	Sp.Ch.Tax:			
Allowances	Annually		Mont	hly	
Personal:		EUR		EUR	
Additional:		EUR		EUR	
Addit. Amount:		EUR		EUR	

In the section Further Data choose Schleswig Holstein as Church Tax Area.

08 Schleswig-Holstein

Further Data				
* Tax Liability:	1 Unlimited V	Cert.period:	01	
Flat-Rate Tax:	~	Tax Table:	A General V	
Exempt. Reason:	~	Tax procedure:	2 Month Tab w/ AITD V	
Special Rule:	~	Pens. Exemption:	1 Age-Dependent ∨	
Add.Spec. Rule:	~	Church Tax Area:	08 Schleswig-Holstein ∨	
Spec. Rule DTC:	~			

Continue by pressing Save. The *Create Social Insurance D* infotype appears.

The employee should be insured with **Barmer Ersatzkasse**. Use the value help icon to select this health insurance Fund.

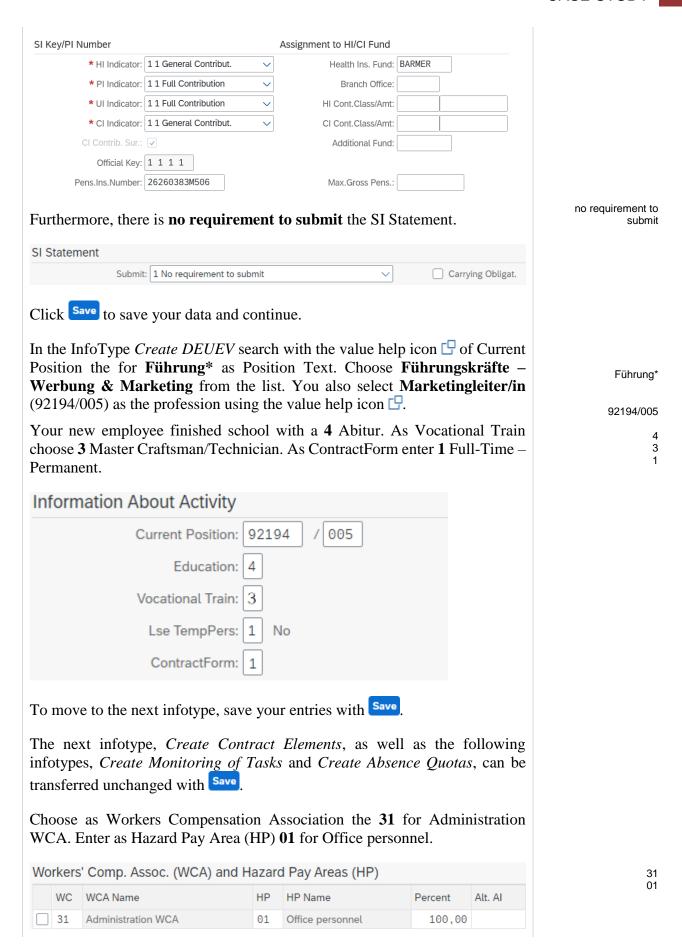
Barmer

The pension insurance number varies depending on whether the employee you created is a man or a woman. Enter **26260383M506** as the pension insurance number if it is a woman. For a man, enter **26260383M005**.

**Note** The Pension Insurance Number has the following format:

26	260383	M	00/50	5/6
Area Number	Date of Birth (here german format)	First letter of the last name	Serial number 00-49 male 50-99 female	Check digit 5 Male 6 Female

26260383M506 or 26260383M005



Click Save to end the setting and automatically return to the Personnel Actions initial screen.

Click to return to the SAP Fiori Launchpad.



# Step 4: Simulation Payroll

Task Simulate a payroll.

Time 10 min

**Short Description** Use the SAP Fiori Launchpad to simulate a payroll for your recently hired Marketing Manager.

Name (Position) August Faust (Payroll Officer)

In this case study, you only simulate a payroll to ensure the consistency of the system state. You will see the complete remuneration statement for your employee.

To simulate a payroll run, use in the *Human Capital Management* area on the *Payroll* page in the *Payroll Officer* role the app *Simulation Payroll*.

Simulation Payroll

Simulation Payroll



**Note** In general, payroll is concerned with calculating the remuneration for the work performed by each employee. It includes a variety of processes, including the preparation of payroll results and salary statements, as well as transfers or payment to employees.

In the section *Payroll period - Germany*, choose with the value help icon the Payroll area **D2**. Change the current choice to **Other period** and choose the **following month** as period for the payroll.

In the section *Selection* enter the **Personnel Number of your Marketing Manager** and choose **D2** as Payroll area again.

Alternatively, use the value help icon  $\Box$  for the personnel number. In the popup that opens, select the *Organizational assignment* tab. Select the value help  $\Box$  again in the *Organizational unit* field.

Enter ###\* as the *OrgUnit short text* and search for your organizational unit ### Marketing. Apply this and now search for and select your person.

Simulation rayio

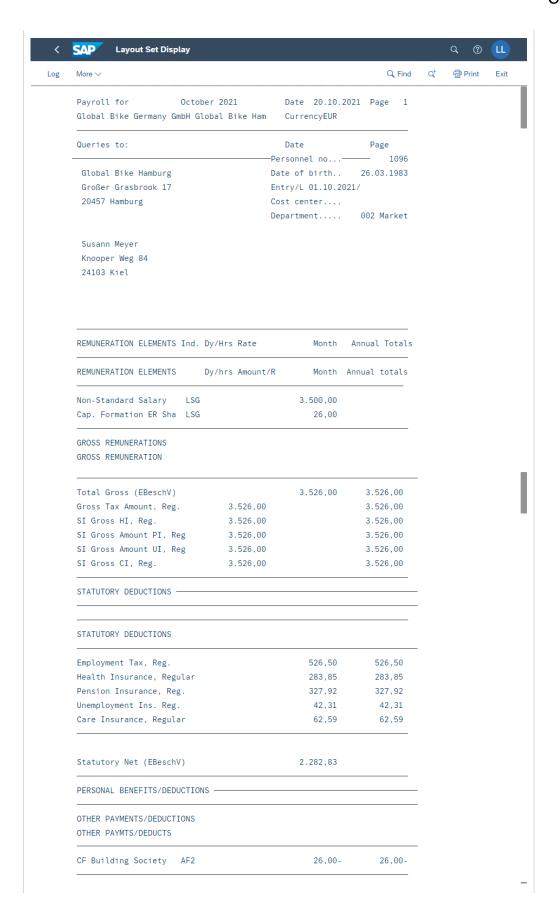
D2 Other period Following month

Personnel number D2

Menu ✓ 🖫 Save as V	/ariant	
Selections from	☐ Search helps	
Payroll period		
	* Payroll area: D2	
<ul> <li>Current period</li> </ul>		
<ul><li>Other period</li></ul>	09 2023	
Selection		
	Personnel Number: 00001098	
	1 CISCINICE INGINIDEI.	
	Payroll area: D2	_ <del>_</del>
	Payroll area: D2	♂
n the lower section $R$		
	Payroll area: D2  Cemuneration statement, select Display r  value help icon to select SAP&CALC	emuneration
	Cemuneration statement, select Display revalue help icon ☐ to select SAP&CALC	emuneration
tatement and use the	Cemuneration statement, select Display revalue help icon ☐ to select SAP&CALC	emuneration
tatement and use the	Remuneration statement, select <b>Display r</b> value help icon □ to select <b>SAP&amp;CALC</b> atement  No Remuneration Statement: ○	emuneration
tatement and use the	Remuneration statement, select <b>Display r</b> value help icon to select <b>SAP&amp;CALC</b> atement  No Remuneration Statement:  Display remuneration statement:	emuneration
Remuneration sta	Cemuneration statement, select Display revalue help icon ☐ to select SAP&CALC atement  No Remuneration Statement: ☐  Display remuneration statement: ☐  Display HR Form: ☐	emuneration
Remuneration sta	Remuneration statement, select <b>Display r</b> value help icon to select <b>SAP&amp;CALC</b> atement  No Remuneration Statement:  Display remuneration statement:	emuneration

Layout for Remun. Statement

SAP&CALC



Payroll for October 2021 Date 20.10.2021 Page 2 Global Bike Germany GmbH Global Bike Ham CurrencyEUR Date Page Queries to: —Personnel no...— <del>-</del> 1096 Date of birth.. 26.03.1983 Global Bike Hamburg Großer Grasbrook 17 Entry/L 01.10.2021/ 20457 Hamburg Cost center.... Department.... 002 Market Susann Meyer Knooper Weg 84 24103 Kiel BANK TRANSFERS BANK TRANSFERS Bank Transfer 2.256,83 — Information About Bank Transfer— Bank Transfer 2.256,83 EUR 12030002 Deutsche Kreditbank AG 12345678 CF Transfer 26,00 EUR 45000015 Badenia Bausparkasse GmbH 00001096/Meyer

Tax Class/Factor/Child 1/	/ Base F	Rate Private SI	
Church tax — /		/Midijob/Concur	rent E Z/ /
Tax-Exempt Amt /	Healt	n Insur Barmer	Ersatzkasse
Addl Amt Yrly/ /	HI-EE	8.050% CI	-EE 1.7750%
Tax/Social Insur 30 / 30	UI-EE	1.20% PI	-EE 9.30%
Payroll for Novemb Global Bike Germany GmbH Glo	per 2021		2021 Page 1
diobat bike definally dilibh dio	рват втке наш	CurrencyEok	
Queries to:		Date Personnel no	Page 1096
Global Bike Hamburg		Date of birth	
Großer Grasbrook 17	ı	Entry/L 01.10.2	021/
20457 Hamburg		Cost center	
_		Department	
Susann Meyer			
Knooper Weg 84			
24103 Kiel			
REMUNERATION ELEMENTS C	Dy/hrs Amount/F	R Month	Annual totals
Non-Standard Salary LSG		3.500,00	
Cap. Formation ER Sha LSG		26,00	
GROSS REMUNERATIONS GROSS REMUNERATION			
Total Gross (EBeschV)		3.526,00	7.052,00
Gross Tax Amount, Reg.	3.526,00		7.052,00
SI Gross HI, Reg.	3.526,00		7.052,00
SI Gross Amount PI, Reg	3.526,00		7.052,00
SI Gross Amount UI, Reg	3.526,00		7.052,00
SI Gross CI, Reg.	3.526,00		7.052,00
STATUTORY DEDUCTIONS			
STATUTORY DEDUCTIONS			
Employment Tax, Reg.		526,50	1.053,00
Health Insurance, Regular		283,85	567,70
Pension Insurance, Reg.		327,92	655,84
Unemployment Ins. Reg.		42,31	84,62
Care Insurance, Regular		62,59	125,18
Statutory Net (EBeschV)		2.282,83	
PERSONAL BENEFITS/DEDUCTIONS	,		
PERSONAL BENEFITS/DEDUCTIONS OTHER PAYMENTS/DEDUCTIONS OTHER PAYMTS/DEDUCTS			

```
Payroll for
                       November 2021
                                                 Date 20.10.2021 Page 2
Global Bike Germany GmbH Global Bike Ham CurrencyEUR
                                                           Page
                                               Date
Queries to:
                                                -Personnel no...- 1096
                          Date of birth.. 26.03.1983
 Global Bike Hamburg
                                               Entry/L 01.10.2021/
 Großer Grasbrook 17
 20457 Hamburg
                                              Cost center....
                                               Department.... 002 Market
 Susann Meyer
 Knooper Weg 84
 24103 Kiel
BANK TRANSFERS
BANK TRANSFERS
Bank Transfer
                                                       2.256,83
   - Information About Bank Transfer-
 Bank Transfer 2.256,83 EUR
                   12030002 Deutsche Kreditbank AG 12345678
 CF Transfer
                                   26,00 EUR
                   45000015 Badenia Bausparkasse GmbH 00001096/Meyer
Ind.: E = Non-Recurring Payment, L = Subject to Employment Tax, S = Subj
                 Statement According to Sec. 108 Paragraph 3 Clause 1 Trad
Tax ID Number 12345678995 PI Number/SI In 26260383M506/1111
Tax Class/Factor/Child 1/ \ \ / Base Rate Private SI
Church tax — /
                                       Bonus/Midijob/Concurrent E Z/ /

        Church tax
        —
        /
        Bonus/Midijob/Concurrent
        E
        Z/
        /

        Tax-Exempt Amt
        /
        Health Insur Barmer Ersatzkasse

        Addl Amt Yrly/
        /
        HI-EE
        8.050%
        CI-EE
        1.7750%

        Tax/Social Insur 30 / 30
        UI-EE
        1.20%
        PI-EE
        9.30%
```

As you can see, the total gross matches the employee's fixed salary and the contribution to capital formation. In addition, there is a list of the deductions customary under German law for determining the net salary. These include wage tax and the solidarity surcharge, as well as social security contributions.

Due to the length of the report, you can use the sample payroll here to review it without scrolling. You will recognize various positions that were included in the previous hiring process. These include, for example, the 26.00 euros for capital formation at Badenia Bausparkasse GmbH or the Barmer Ersatzkasse health insurance fund.

Click to return to the SAP Fiori Launchpad.