# Materials Management (MM) Case Study

This case study explains an integrated materials management process in detail and thus fosters a thorough understanding of each process step and underlying SAP functionality.

#### Product

SAP ERP 6.08 Global Bike

#### Level

Undergraduate Graduate Beginner

Focus Materials Management

#### Authors

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### Version

3.0

#### Last Change July 2016

#### MOTIVATION

The data entry requirements in the materials management exercises (MM 1 through MM 5) were minimized because much of the data was stored in the SAP system. This stored data, known as master data, simplifies the processing of business transactions.

In the procurement process, we used master data for vendors, materials (products we purchased) to simplify the procurement process.

In this case study, we will create the master data for a new vendor and a new trading good.

#### 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, it is not necessary to have finished the MM exercises (MM 1 through MM 5). However, it is recommended.

#### NOTES

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



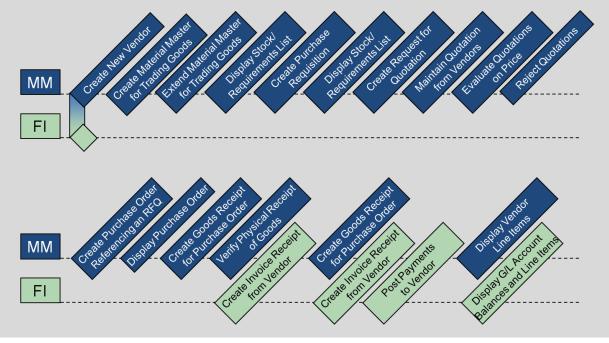


#### **Process Overview**

Learning Objective Understand and perform a purchasing process cycle Time 140 min					
Scenario In order to process a complete purchasing process you will take on different roles within the GBI company, e.g. purchasing agent, warehouse worker, accounting clerk. Overall, you will be working in the Materials Management (MM) and the Financial Accounting (FI) departments.					
Employees involved       Joyce Hausman (Contract Administrator)         Sandeep Das (Warehouse Supervisor)         Sergey Petrov (Warehouse Employee)         Wilton Saban (Inventory Supervisor)         Alberto Conti					
(Technical Office Assistant)					
Aura Maxwell (Buyer)					
Tatjana Karsova (Receiving Clerk) Silvia Cassano (Accounts Payable Specialist) Shuyuan Chen (Chief Accountant)					

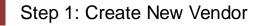
Before you start the purchasing process you create a new vendor (Mid-West Supply) in Lincoln. Then, you create a new master record for a trading good (Chain Lock) in the system. After checking the stock (empty) you are starting the procurement process by creating a purchase requisition. Then, you generate a request for quotations and enter the quotations from various vendors – including your new vendor. After evaluating and accepting the quotation of Mid-West Supply you create a purchase order referencing the RFQ. Then, you will post the goods receipt and verify the physical receipt in stock. After creating two partial invoices you will post the payments to the vendor and review the G/L accounts.

The graphic below displays the complete process (20 tasks).



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Step 21: Display/Review G/L Account Balances and Individual Line Items	
MM Challenge	



Task Create a new vendor.	Time 10 min
<b>Short Description</b> Use the SAP Easy Access Menu to create a new vendor (Mid-West Supply).	
Name (Position) Joyce Hausman (Contract Administrator)	
Vendors are established in both accounting and purchasing. The vendor master record requires three views – general, accounting, and purchasing in order to be active. Vendors can be created centrally meaning that all views are generated concurrently or responsibility can be distributed to accounting and purchasing for creating and maintaining their respective views. In this case study, central creation will be used to enter all of the needed data. In this way, this vendor record will contain all of the information necessary to conduct business transactions.	Vendor master
To create a new vendor, follow the menu path:	Menu path
Logistics  Materials Management  Purchasing  Master Data	
Vendor  Central  Create	
This will produce the following screen.	
Create Vendor: Initial Screen	
Vendor	
Company Code US00 Global Bike Inc.	
PurchasingOrganization US00 GBI US Account group KRED	
Reference	
Vendor	
Company code PurchasingOrganization	
Leave the vendor field blank. The system will generate a new number. Enter	
<b>US00</b> for Company Code, <b>US00</b> for Purchasing organization, and <b>KRED</b> as	US00
Account Group. Then, click on $\heartsuit$ .	US00 KRED
In the Caseta Vandem Adduces concern cale of Commons of Title and a Med	-

In the Create Vendor: Address screen, select **Company** as Title, enter **Mid-West Supply** as Name, and your number (###) for Search term. As Street enter 335 W Industrial Lake Dr, as Postal code enter **68528**, and **Lincoln** for City. Further specify **US** (Country) and **NE** (Region). As communication language choose **English**. Compare your entries with the screen shown below.

Company Mid-West Supply ### 335 W Industrial Lake Dr 68528 Lincoln US NE English

	Create Vendor: A	Address						
	👌  🚺 MENA Certi	ficate						
	Vendor INTERNAL							
	Vame							
	Title	Company	•					
	Name	Mid-west Supply						
	Search Terms			1				
	Search term 1/2	000						
	Street Address							
	Street/House number	335 W Industrial Lake Dr						
	Postal Code/City Country	68528 Lincoln US	Region NE					
	PO Box Address PO Box							
	Postal code				_			
	Company Postal Code							
	Communication							
	Language	EN English 🔹	Othe	r communication				
		ntil you see the ntrol screen, in						
enter <b>12-345</b> number. Cor	56### as Tax I nfirm your ent	Number 2 – rei ry and skip the clicking $\bigcirc$ or	member to re e next screen	place ###	# with	your		12-3456###
		counting inform		inting scr	een, e	nter		300000
	•	ment transaction h <b>k double inv.</b>				er Payt		0001 Chk double inv.
		respondence A lick on 🔗 or 🛙		creen, ent	er you	ır name		your name
		chasing data sc /mnt. Then clic			rder c	urrency		USD 0001
There is no o	data to be ente	ered in the Crea	ate Vendor: F	Partner fu	nctior	ns screen.		
		rendor master r que number fo			11		Vendor	master number
Click on the	exit icon <u> (</u> t	o return to the	SAP Easy A	ccess scr	een.			
							]	

# Step 2: Create Material Master for Trading Goods

Task Create mate	Time 15 min			
Short Description master record for				
Name (Position)	) Sandeep Das (Wa	rehouse Supervisor)		
To create a tradir	ng good material m	aster record, follow the menu	path:	Menu path
	laterials Managem al) ► Trading Goo	ent ► Material Master ► M ds	laterial 🕨	
This will produce	e the following scre	een.		
C	reate Trading G	oods (Initial Screen)		
Se	elect View(s) Org. Lev	rels Data		
Mate	orial			
	ustry sector	<b>•</b>		
Char	nge Number			
Cop	py from			
Mat	iterial			
and select Retail	as an Industry sect	<b>1</b> ### (replace ### with your or. Then, click on $\heartsuit$ or pressing views by clicking on the	s Enter.	CHLO1### Retail
front of the respe			-	Basic Data 1
- Basic Data 1		- MRP 1		Sales: Sales Org. Data 1 Sales: Sales Org. Data 2
- Sales: Sales (	0	- MRP 2		Sales: General/Plant Data
- Sales: Sales (	0	- MRP 3		Purchasing MRP 1
- Sales: Genero	al/Plant Data	- General Plant Data/Stora	ge 1	MRP 2 MRP 3
- Purchasing		- Accounting 1		General Plant Data / St. 1
Also, select Crea	ate views selected.	Then, click on 🗹		Accounting 1
				Create views selected

View	
Basic Data 1	-
Basic Data 2	
Sales: Sales Org, Data 1	
Sales: Sales Org. Data 2	
Sales: General/Plant Data	
Foreign Trade: Export Data	
Sales Text	
Purchasing	
Foreign Trade: Import Data	
Purchase Order Text	
MRP 1	
MRP 2	
MRP 3	
MRP 4	
Forecasting	
General Plant Data / Storage 1	
General Plant Data / Storage 2	-
view selection only on request Treate views selected	

On the Organizational Levels screen, enter plant **MI00** (Miami), Stor. Location **TG00** (Trading Goods), Sales Org. **UE00** (US East), and Distr. Channel **WH** (Wholesale). Compare with the screen shown below. Then, click on  $\checkmark$ .

🕞 Organizational L	evels		×
Organizational leve	els		
Plant	MICO		
Stor. location	TGOO		
Sales Org.	UEOO		
Distr. Channel	WH		
Profiles			
MRP profile			
Org. levels/profile	es only on request		
		Select View(s)	efault Setting 🔀

On the *Basic Data 1* tab, enter **Chain Lock** as a description (text field next to the material number). As Base Unit of Measure, use the F4 help to find and select **each** (**EA**). In the Material Group field, select **UTIL** (Utilities). As division, choose **AS** (Accessories).

In the Gross Weight field and in the Net Weight field, enter **65** and select **Ounce** (**OZ**) as Weight unit. Then press Enter or click on  $\heartsuit$ .

Basic Data 1 Chain Lock EA UTIL AS 65 65 OZ

MI00 TG00

UE00

WH

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On the *Sales: sales org. 1 tab*, in the Delivering Plant field use the F4 help to find and select the Miami plant (**MI00**). In the Tax data field group, in the left Tax classification column (the one that is editable = white background colour) select Exempt (**0**) for all three tax categories.

Click on Conditions On the following screen, enter Scale quantity 1 and Amount **69.00**. Compare your entries with the screen below, then click on to return to the Sales: sales org. 1 view. There, press Enter or click on .

Validity					Control				
Valid From		06/22/2016	5		ScaleBasis	C Qu	antity	scale	
Valid to		12/31/9999	)		Check	A De:	scendir	ng	
Scales									
Scale Type	Scale quantity	( L	J	Amour	nt	Unit	per	UoM	
From		1E	A		69.00	USD		1EA	-
									-

On the Sales: sales org. 2 tab, select Matl statistics grp 1. Then press Enter.

On the *Sales: Genereal/Plant* tab, select Availability check **02** (Individual requirements) and use the F4 help to choose Tans. Grp **0001** (On pallets) and LoadingGrp **0002** (Handcart).

On the *Purchasing* tab, enter Purchasing Group N00 (North America).

On the MRP 1 tab, select MRP type <b>PD</b> (MRP), MRP Controller <b>000</b> , Lot
size <b>EX</b> (Lot-for-lot order quantity) and Minimum Lot Size <b>10</b> .

On the *MRP 2* tab, enter Planned Deliv.Time 6 (days) and select SchedMargin key **001**.

On the *MRP 3* tab, check if the Availability check is set correctly to **02**. Then, press Enter. Skip the *Plant data / stor*. *1* view by clicking on  $\heartsuit$ .

On the *Accounting 1* tab, select Valuation Class **3100** (Trading Goods), enter Moving price **33.50**.

Then, click on  $\square$  to save your material.

Click on the exit icon 😪 to return to the SAP Easy Access screen.

<u>Sales: sales org. 1</u> MI00	
( ( (	)
1 69.00	)

ter.	<u>Sales:</u>	<u>: sales org. 2</u> 1
al ) and	<u>Sales: G</u>	<u>General/Plant</u> 02 0001 0002
		<u>Purchasing</u> N00
ot	PD EX	<u>MRP1</u> 000 10
		<u>MRP 2</u> 6 001
		<u>MRP 3</u> 02
enter	2	Accounting 1 3100 33.50

# Step 3: Extend Material Master for Trading Goods

Task Extend a material master.	Time 10 min
<b>Short Description</b> Copy the sales views of the new trading good (chain lock) from the Miami plant to the San Diego plant to maintain a different condition.	
Name (Position) Sergey Petrov (Warehouse Employee)	
To create new views for an existing trading good, follow the menu path:	Menu path
Logistics ► Materials Management ► Material Master ► Material ► Create (Special) ► Trading Goods	word part
Enter your material number <b>CHLO1</b> ### (again, replace ### with your three- digit number) in the Material field. In the Copy from field group, enter <b>CHLO1</b> ### in the Material field again. Then, press Enter.	CHLO1### CHLO1###
In the Select View(s) window, highlight all <b>three Sales views</b> , make sure the indicator <b>Create views selected</b> is checked, and click on $\checkmark$ .	3 Sales views Create views selected
In the Organizational Levels window, on the left side (Organizational levels) enter Plant <b>SD00</b> , Sales Org. <b>UW00</b> and Distr. Channel <b>WH</b> . On the right side (Copy from), enter Plant <b>MI00</b> , Sales Org. <b>UE00</b> and Distr. Channel <b>WH</b> . Before pressing Enter, compare your entries with the screen shown below.	SD00 MI00 UW00 UE00 WH WH
Croganizational Levels	
Organizational levels Copy from	
Plant     SD00     MI00       Sales Org.     UW00     UE00       Distr. Channel     WH     WH	
Org. levels/profiles only on request	
Select View(s) 🔲 Default Setting	
The system will take you to the <i>Sales: sales org. 1</i> view. Note that sales data has been copied from views created for the Wholesale distribution channel. The system displays a message saying that the material already exists and will be extended.  The material already exists and will be extended  Change Delivering Plant MI00 to <b>SD00</b> . Then, click on	<u>Sales: sales org. 1</u>
$\boxed{\begin{array}{c} \hline Conditions \\ \hline \hline \hline \\ $	SD00 1 65.00
Finally, click on the exit icon 🔇 to return to the SAP Easy Access screen.	

# Step 4: Display Stock/Requirements List

<b>Task</b> Display the stock/requirements list.	Time 5 min
<b>Short Description</b> Display and review the stock/requirements list for your chain lock on hand balance and the demand that exists against this product. The report should show that there is no stock and therefore nothing is available for use at this time.	
Name (Position) Wilton Saban (Inventory Supervisor)	
The stock/requirements list is a dynamic list and, therefore, changes whenever a transaction occurs using the given material.	Stock/requirements list
To display the stock/requirements list, follow the menu path:	Menu path
Logistics Materials Management  Inventory Management  Environment  Stock  Stock/Requirements List	
This will produce the following screen.	
Stock/Requirements List: Initial Screen	
Individual access Collective access	
Material CHL01000 Chain Lock Plant MI00	
In the Material field, enter the number of your new chain lock trading good <b>CHLO1###</b> (replace ### with your number) and Plant <b>MI00</b> . Then click on Vour stock/requirements list should look similar to the screen below.	CHLO1### MI00
Stock/Requirements List as of 14:29 hrs	
Show Overview Tree   🙇   🤣 📅 🖾 📅	
Material     CHL01000     Chain Lock       Plant     MI00     MRP Type     PD     Material type     HAWA     Unit     EA	
Image: A., Date       MRP       MRP element data       Rescheduli       E.       Receipt/Reqmt       Available Qty         Image: O6/22/2016       Stock       Stock       0       0	
Click on the exit icon 🐼 to return to the SAP Easy Access screen.	

### Step 5: Create Purchase Requisition

Task Create a purchase requisition. Time 5 min Short Description Sales management has informed the purchasing department of a promotional campaign that will commence in 3 months to introduce the new chain locks. Create a purchase requisition for 200 of your locks so that it may be placed out for bid so that a vendor can be chosen to fill the expected needs associated with this sales campaign. Name (Position) Wilton Saban (Inventory Supervisor) To create a purchase requisition, follow the menu path: Menu path Logistics 
Materials Management 
Purchasing 
Purchase Requisition Create This will produce the following screen. 🥦 🔒 Create Purchase Requisition Document Overview On | 🗋 📫 🚺 🖆 🚺 🖉 Personal Setting Back Forward MB Purchase Requisiti... 💌 Source Determination 🛅 Header User Interface for the Purchase 🛅 Item Overview Requisition Three screen areas, which 🛅 Item 1 New Item • can be Header to expand the header. Select In the text field, type the Header note: "Global Bike Inc. is formally requesting quotations for the following material. Quotes will be accepted until [1st day of the next month]." 🕎 NB Purchase Requisiti ... 💌 Source Determination Texts Global Bike Inc. is formally requesting quotations for the following material. Quotes will be accepted until July 1st 2016. A.... • 🖹 Header note < 🕨 1 Continuous-t ... 💌 Ttem Overview hem Item 1 New Item ▼ ▲▼ Item Overview to expand the item overview. Select |

Enter Material **CHLO1**### (replace ### with your number) and Quantity **200**. As Delivery Date select or enter the day **three months from today**.

CHLO1### 200

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Then, enter Plant MI00, Stor. loc. TG00, and PGr. N00.	3 months from today MI00
After clicking on $\bigotimes$ compare your screen with the one below.	TG00 N00
9 (W. LTM&V. I.M. LØ. 1 240 (Defait Values	
St.,     Item I     Material     Short Text     Quantity Unit C Delivery Date Mati Group     Plant     Stor. Loc.     PGr     Requisinr.     Tracking,     Vendor     Fixed vendor     SPIt       10     CHLO1000     Chain Lock     200     EA     D 09/22/2016     Utilities     DC Miami     Tracing G,     N00	
Then, click on 🔚 to save your purchase requisition. The system will create a	Purchase requisition document number
unique document number. 📝 Purchase requisition number 0010000000 created	
Click on the exit icon 😪 to return to the SAP Easy Access screen	

# Step 6: Display Stock/Requirements List

Task Display the stock/requirements list again.	Time 5 min
<b>Short Description</b> Display and review the stock/requirements list for your chain locks on hand and the demand that exists against this product. Since we just created a purchase requisition for 200 of them, this event should be visible within the stock/requirements list with a date of roughly 3 months from today.	
Name (Position) Alberto Conti (Technical Office Assistant)	
To display the stock/requirements list again, follow the menu path: Logistics ► Materials Management ► Inventory Management ► Environment ► Stock ► Stock/Requirements List	Menu path
If not already defaulted in, enter your Material <b>CHLO1###</b> and Plant <b>MI00</b> . Then click on $\heartsuit$ . Your stock/requirements list should now look similar to the screen below.	CHLO1### MI00
Stock/Requirements List as of 14:40 hrs	
Show Overview Tree   🙇   🤣 📅 🛃 📅	
Material     CHL01000     Chain Lock       Plant     MI00     MRP Type     PD     Material type     HAWA     Unit     EA     2	
Image: A. Date       MRP       MRP element data       Rescheduli       E.       Receipt/Reqmt       Available Qty       St         Image: Op/22/2016       Stock       0       0       0       0       0         Image: Op/22/2016       PurRqs       0010000014/00010 *       20       200       200       200       TG00	
Click on the exit icon 😪 to return to the SAP Easy Access screen.	

Time 10 min

### Step 7: Create Request for Quotation

Task Create a request for quotation for your requisition.

	· · ·	
ndors. This proces	Create a separate request for quotation (RFQ) for several ss will be used to collect the necessary pricing, delivery, is needed to support the selection of a vendor to fill the locks.	
me (Position) Al	berto Conti (Technical Office Assistant)	
create an RFQ, fo	ollow the menu path:	Menu p
	rials Management ► Purchasing ► RFQ/Quotation lotation ► Create	
is will produce the	e following screen.	
Create DEC · In	itial Screen	
Create RFQ : In		
RFQ Type Language Key	AN EN	
🧟 😂 🗋 🗅 Referen	AN	
RFQ Type Language Key RFQ Date Quotation Deadline	AN EN 06/22/2016	
RFQ Type       Language Key       RFQ Date       Quotation Deadline       RFQ	AN EN 06/22/2016	
RFQ Type Language Key RFQ Date Quotation Deadline RFQ	AN EN 06/22/2016 07/01/2016	
RFQ Type         Language Key         RFQ Date         Quotation Deadline         RFQ         Organizational Data         Purch. organization	AN EN 06/22/2016 07/01/2016	
Image: Section 1       Image: Section 2         RFQ Type         Language Key         RFQ Date         Quotation Deadline         RFQ         Organizational Data         Purch. organization         Purchasing Group	AN EN 06/22/2016 07/01/2016	
RFQ Type         Language Key         RFQ Date         Quotation Deadline         RFQ         Organizational Data         Purch. organization         Purchasing Group         Default Data for Items	AN EN 06/22/2016 07/01/2016	
RFQ Type         Language Key         RFQ Date         Quotation Deadline         RFQ         Organizational Data         Purch. organization         Purchasing Group         Default Data for Items         Item category	AN EN 06/22/2016 07/01/2016 07/01/2016	
RFQ Type         Language Key         RFQ Date         Quotation Deadline         RFQ         Organizational Data         Purch. organization         Purchasing Group         Default Data for Items         Item category         Delivery Date         Plant         Storage location	AN EN 06/22/2016 07/01/2016 07/01/2016 00	
Image: Section 1       Image: Reference         RFQ Type       Image: Language Key         Language Key       RFQ         Quotation Deadline       RFQ         Organizational Data       Image: Purch. organization         Purch. organization       Image: Purch. organization         Purch.asing Group       Image: Plant	AN EN 06/22/2016 07/01/2016 07/01/2016 00	

next month as Quotation Deadline.

In the Organizational Data field group, enter Purch. Organization US00 and Purchasing Group N00.

In the Default Data for Items, enter Plant MI00. Then, select Reference to PReq which will produce the following screen.

Л 1<sup>st</sup> day of next month

> US00 N00

MI00

🔄 Selection of Pu	rchase Requisitions 🛛 💌
Purch.req.	10000014
Requisn. item	
Purch. group	NOO
Document Type	
Material	
MPN material	
Plant	
Item category	
Acct.assig.cat.	
Tracking Number	
Supplying Plant	
Assigned	
✓ Stock material	
🗸 Open only	
	<ul> <li>✓</li> <li></li> <li></li> <li>✓</li> <li></li> <li></li> <li>✓</li> <li></li> <li< td=""></li<></ul>

If your Purchase Requisition number is not already entered, use the F4 help to find the number of your purchase requisition. Then, click on  $\checkmark$ .

In the Create RFQ: Selection List: Purchase Requisitions screen, enter SLoc (Storage Location) **TG00**. Click on I to select all items. Then, click on I to adopt all item information into the RFQ.

In the Create RFQ: Item 00010 screen, click on to display the RFQ header data. Enter **RFQ1**### as *Coll. No.* Remember to replace ### with your three-digit number. After comparing your entry with the screen below, click on to display the line items.

			Data	) : Header I	Create RFQ
				🍋 🖨	🔬 🖹 🖹 🍇
NOO	Purchasing Group	USOO	Company Code		RFQ
า บรออ	Purch. Organization			AN	RFQ Type Vendor
				lda	Administrative Field
RFQ1000	Coll. No. RI	10	Item Interval	06/22/2016	RFQ Date
07/01/2016	QuotDdin 07	1	Subitem Interv.	EN	Language
	Apply By		Validity End		Validity Start
	Bindg Per.		Warranty		

In the Create RFQ: Item Overview screen, review the line items and ensure they are correct. Then, select 🗐 to display the vendor address.

In the Create RFQ: Vendor Address screen in the Vendor field, use the **F4** help to find your vendor Mid-West Supply. In order to do so, use the fields

TG00

RFQ1 ###

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result rov	v to	insert	the numb	er into the Vend	<b>Lincoln</b> ) and double-clic or field. Then, click on corresponding fields.	-	### Lincoln
Click on save any			your RF	Q. A warning me	essage will appear. Press	s Yes to	Yes
The SAP	sys	stem w	ill create	a unique docume	ent number.		RFQ document number
		Ū	🖌 RFQ cre	ated under the num	ber 600000000		
for our v In order	end to fi	ors Da	llas Bike ir vendor,	Basics and Spy C	eld use the F4 help again	n. This	Dallas Bike Basics Spy Gear US
		Enter to 'endor's accou Vendors (Ge	O display	your set of US v	(###) in the Search term endors (see list below).	field.	###
	ess l	Enter to 'endor's accou Vendors (Ge	O display	your set of US v 26 Entries found Vendors by Country/Company (	endors (see list below).	field.	
	ess ]	Enter to 'endor's accou Vendors (Ge (Vendors (Ge ch term: 000 PostalCode	o display unt number (1) 2 eneral)	your set of US v 26 Entries found Vendors by Country/Company ( VT	endors (see list below).	field.	
	ESS ]	Enter ter (endor's accou Vendors (Ge (N) (A) (A) ch term: 000 (PostalCode 01069	o display unt number (1) 2 eneral)	your set of US v 26 Entries found Vendors by Country/Company ( Name 1 SACHSEN STAHL AG	endors (see list below).	field.	
	ESS ]	Enter teres accord Vendor's accord Vendors (Ga Ch term: 000 PostalCode 01069 24149	o display unt number (1) a eneral)	your set of US v 26 Entries found Vendors by Country/Company ( V Name 1 SACHSEN STAHL AG SHELL GEAR	vendor (see list below).	field.	
	ESS ]	Enter te endor's accol Vendors (Ge Vendors (Ge Ch term: 000 PostalCode 01069 24149 33647	o display unt number (1) 2 eneral) Comparison City DRESDEN SANDKRUG BIELEFELD	your set of US v 26 Entries found Vendors by Country/Company ( V Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING	endors (see list below).	field.	
	Cty DE DE DE DE DE	Enter te vendor's accol vendors (Ge vendors (Ge ch term: 000 PostalCode 01069 24149 33647 39120	o display unt number (1) 2 eneral) City DRESDEN SANDKRUG BIELEFELD BRAUNSCHWEIG	your set of US v 26 Entries found Vendors by Country/Company ( ▼ Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG	endors (see list below).	field.	
	ESS ]	Enter to rendor's accou Vendors (Ge Ch term: 000 PostalCode 01069 24149 33647 39120 50737	o display unt number (1) 2 eneral)	your set of US v 26 Entries found Vendors by Country/Company o Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES	endors (see list below).	field.	
	Cty DE DE DE DE DE DE DE	Enter to rendor's accor Vendors (Ge Vendors (Ge Ch term: 000 PostalCode 01069 24149 33647 39120 50737 68167	o display unt number (1) 2 eneral)	your set of US v 26 Entries found Vendors by Country/Company ( V Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGINE BIKE SUPPLIES FLAT TIRE AND MORE	vendors (see list below).           vendor           123000           121000           114000           113000           122000           116000	field.	
	ESS Cry DE DE DE DE DE DE DE DE DE DE	Enter to rendor's accou Vendors (Ge Ch term: 000 PostalCode 01069 24149 33647 39120 50737	o display unt number (1) 2 eneral)	your set of US v 26 Entries found Vendors by Country/Company o Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES	endors (see list below).	field.	
	ESS Cry DE DE DE DE DE DE DE DE DE DE	Enter to rendor's accord Vendors (Geo Vendors (Geo Control (Geo PostalCode 01069 24149 33647 39120 50737 68167 74080	o display unt number (1) 2 eneral)	your set of US v 26 Entries found Vendors by Country/Company ( V Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE	Vendors (see list below).           Vendor           123000           121000           114000           113000           122000           116000           119000	field.	
	ESS Cry C Cry C DE DE DE DE DE DE DE DE DE DE	Enter temor's accord Vendor's accord Vendors (Ge Ch term: 000 PostalCode 01069 24149 33647 39120 50737 68167 74080 76228	o display	your set of US v 26 Entries found Vendors by Country/Company ( ▼ Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE GUMMI SCHULTZE	wendors (see list below).         Image: Code         Vendor         123000         121000         114000         113000         122000         116000         119000         117000	field.	
	ESS Crv Searc Crv DE DE DE DE DE DE DE DE DE DE	Enter to rendor's accord Vendors (Ge Vendors (Ge Ch term: 000 PostalCode 01069 24149 33647 39120 50737 68167 74080 76228 80331	o display	your set of US v 26 Entries found Vendors by Country/Company ( ▼ Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIXING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE GUMMI SCHULTZE RUN & FUN	wendors (see list below).         Image: Code         Vendor         123000         121000         114000         113000         122000         116000         119000         117000         124000	field.	
	CEVU Searc Cty <sup>C</sup> DE DE DE DE DE DE DE DE DE DE DE DE DE	Enter to rendor's accor Vendors (Ge Vendors (Ge Ch term: 000 PostalCode 01069 24149 33647 39120 50737 68167 74080 76228 80331 86391 97070 99099	o display	your set of US v 26 Entries found Vendors by Country/Company of Vendors by Country/Company of Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGINE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE GUMII SCHULTZE RUN & FUN LOHSE SCHRAUBE MAIN CARBON ABS BRAKES GMBH	wendors (see list below).         Image: Code         Vendor         123000         121000         114000         113000         122000         116000         119000         117000         124000         118000         120000         115000	field.	
	ESS ]	Enter to rendor's accord Vendors (Ge Vendors (Ge Vendors (Ge 1069 24149 33647 39120 50737 68167 74080 76228 80331 86391 97070 99099 19341	o display	your set of US v 26 Entries found Vendors by Country/Company ( Vendors by Country/Company ( Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE GUMMI SCHULTZE RUN & FUN LOHSE SCHRAUBE MAIN CARBON ABS BRAKES GMBH RAPIDS NUTS N BOLTS	wendors (see list below).         Image: Code         Vendor         123000         121000         114000         113000         122000         116000         119000         117000         120000         118000         122000         116000         119000         115000         108000	field.	
	ESS Searce DE DE DE DE DE DE DE DE DE DE DE DE DE	Enter to endor's accor Vendors (Ge Vendors (Ge Ch term: 000 PostalCode 01069 24149 3647 39120 50737 66167 74080 76228 80331 86391 97070 99099 19341 22102	o display	Vendors by Country/Company ( Vendors by Country) ( Vendors	wendors (see list below).         Image: Code wendors by         Vendor         123000         121000         114000         113000         122000         116000         119000         117000         124000         115000         10000         115000         108000         107000	field.	
	ESS Cry Cry Cry Cry DE DE DE DE DE DE DE DE DE DE	Enter to vendor's accou vendor's accou vendors (Ge Control of the second vendor's accou vendor's accou vendor's accou postalCode 01069 24149 33647 39120 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 50737 68167 74080 76228 80331 86391 97070 99099 19341 22102 30319	o display	Your set of US v 26 Entries found Vendors by Country/Company ( ▼ Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE GUMMI SCHULTZE RUN & FUN LOHSE SCHRAUBE MAIN CARBON ABS BRAKES GMBH RAPIDS NUTS N BOLTS SPY GEAR OLYMPIC PROTECTIVE GEAR	wendors (see list below).         Image: Code         Vendor         123000         121000         114000         113000         122000         116000         119000         114000         113000         122000         116000         119000         119000         119000         115000         108000         107000         101000	field.	
	ESS Searce Cty DE DE DE DE DE DE DE DE DE DE	Enter to rendor's accor Vendors (Ge Vendors (Ge Control (Ge Contr	o display	your set of US v 26 Entries found Vendors by Country/Company of Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE GUMMI SCHULTZE RUN & FUN LOHSE SCHRAUBE MAIN CARBON ABS BRAKES GMBH RAPIDS NUTS N BOLTS SPY GEAR OLYMPIC PROTECTIVE GEAR FUN N THE SUN SEATS N BAR	wendors (see list below).         Code       Vendors by         123000         121000         114000         113000         122000         114000         113000         122000         114000         114000         114000         114000         114000         114000         115000         10000         10000         101000	field.	
	ESS Searc Cty DE DE DE DE DE DE DE DE DE DE DE US US US US	Enter to rendor's accor Vendors (Ge Vendors (Ge Control (Ge Contr	O display	your set of US v 26 Entries found Vendors by Country/Company ( Vendors by Country/Company ( Vendors by Country/Company ( Vendors by Country/Company ( Vendors by Country/Company ( Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE GUMMI SCHULTZE RUN & FUN LOHSE SCHRAUBE MAIN CARBON ABS BRAKES GMBH RAPIDS NUTS N BOLTS SPY GEAR OLYMPIC PROTECTIVE GEAR FUN N THE SUN SEATS N BAR BOOMTOWN TIRE & WHEEL	wendors (see list below).         Image: Code wendors by         Vendor         123000         121000         114000         113000         122000         116000         119000         118000         120000         115000         10000         101000         101000         10000         102000	field.	
	ESS Searce Cty DE DE DE DE DE DE DE DE DE DE	Enter to rendor's accor Vendors (Ge Vendors (Ge Contemportation of the second PostalCode 01069 24149 33647 39120 50737 68167 74080 76228 80331 86391 97070 99099 19341 22102 30319 33126	o display	your set of US v 26 Entries found Vendors by Country/Company of Name 1 SACHSEN STAHL AG SHELL GEAR PYRAMID BIKING BURGMEISTER ZUBEHÖR OHG COLOGNE BIKE SUPPLIES FLAT TIRE AND MORE THICK SPOKE GUMMI SCHULTZE RUN & FUN LOHSE SCHRAUBE MAIN CARBON ABS BRAKES GMBH RAPIDS NUTS N BOLTS SPY GEAR OLYMPIC PROTECTIVE GEAR FUN N THE SUN SEATS N BAR	wendors (see list below).         Image: Code wendors by         Vendor         123000         121000         114000         113000         122000         116000         119000         118000         120000         115000         10000         101000         101000         10000         102000	field.	

First, double-click on Dallas Bike Basics to select it. Back on the Create RFQ : Vendor Address screen, press Enter and save the second RFQ. Again, accept the system warning message with **Yes**.

125001

103000

105000

Repeat the same procedure to create a third RFQ (for Spy Gear) and save it.

Click on the exit icon  $\bigotimes$  to return to the SAP Easy Access screen.

MID-WEST SUPPLY

DALLAS BIKE BASICS

SPACE BIKE COMPOSITES

LINCOLN

HOUSTON

IRVING

Yes

US 68528

US US 75039

77042

### Step 8: Maintain Quotations from Vendors

Task Maintain quotations from vendors. Short Description As we receive responses to our RFQs submitted to vendors, it is necessary to maintain their respective data in our procurement system so that a comparison can be made to support the vendor selection process.	Time 5 min
Name (Position) Alberto Conti (Technical Office Assistant)	
To maintain quotations from vendors, follow the menu path: Logistics ► Materials Management ► Purchasing ► RFQ/Quotation ► Quotation ► Maintain	Menu path
Use the <b>F4</b> help in the RFQ field to find and enter the RFQ number from your Mid-West Supply vendor. On the Purchasing Documents per Vendor tab, you need to find and select your vendor Mid-West Supply first. Position your cursor in the Vendor field and press <b>F4</b> again. Start the search after typing in Country <b>US</b> and your three-digit number (###) as Search term. Double-click on your new vendor to select it. Now that your vendor number is put in the Vendor field, press Enter or click on $\checkmark$ to find the first RFQ number you have created in the last task.	F4 F4 US ###
Double-click on your RFQ to populate the number into the RFQ field on the Maintain Quotation : Initial Screen. Then click on $\bigcirc$ or press Enter.	
Maintain Quotation : Initial Screen	
RFQ 600000001	
In the Maintain Quotation : Item Overview screen, enter a net price of $32.00$ USD. Click on $\blacksquare$ to select all items.	32.00

<b>P</b>	Maintain Quot	ation : Item Over	view				
₿ ₿	B 🗅 📅 🛎 🗉 a	e 🚔 🖪 🔍 👪 🖻 📒	k 🖻 🖡				
RFQ Vendor Quotatior	600000003 107000	RFQ Type AN Spy Gear	RFQ Da QuotDo				
Item	Material	Short Text	RFQ Quantity	O C Deliv. Date Net Price	Per	O Mat. Grp	Pint SLoc D R T
	CHL01000	Chain Lock		FA D 09/22/2016	32.00	1FA UTIL	MIGO TGOO

Then, click on to display conditions. Here, other discounts and surcharges included in the quotation could be specified. In our case, just set the Valid to data to **three months from today**.

3 months from today

/ariable key													
Purchasing doc. 6000000001			em De 10 Cł										
	G	alend	ar							X			
/alidity	09/2	2/20:	16							÷			
Valid From		WN	MO	ΤU	WE	TH	FR	SA	SU	-	09/22/2	016	
	5	33	15	16	17	18	19	20	21	-			
Condition supplement:		34	22	23	24	25	26	27	28				
CnTy Name		35	29	30	31	1	2	З	4		Scales	Texts	
PB00 Gross Price	Q	36	5	6	7	8	9	10	11				1
	2016/9	37	12	13	14	15	16	17	18				
	ß	38	19	20	21	22	23	24	25	_			
		39	26	27	28	29	30	1	2				
		40	З	4	5	6	7	8	9				
	ΞŢ.	41	10	11	12	13	14	15	16				
	2016/10	42	17	18	19	20	21	22	23				
		43	24	25	26	27	28	29	30	*			
		44	31	1	2	3	4	5	6	•			

Click on  $\bigcirc$  to go back to the line item overview. Then, click on  $\bigcirc$  to save your maintained quotation for your Mid-West Supply vendor. The system acknowledges the changes to your first quotation with a success message.

🕑 Quotation for RFQ 600000000 maintained

Repeat this process for the other two RFQs you created. Make sure you use the above-described search criteria to find the vendors for your number (###). Enter the following prices:

Dallas Bike Basics	36.50 USD
Spy Gear	35.00 USD

Make sure you save both RFQs and receive the system success messages.

Click on the exit icon 😪 to return to the SAP Easy Access screen.

Dallas Bike Basics 36.50 Spy Gear 35.00

Time 5 min

Menu path

### Step 9: Evaluate quotations on price

#### **Task** Evaluate quotations on price. Reject two of the three quotations.

**Short Description** Generate a comparison list for the prices obtained from each of the vendors. The comparison list ranks the quotations by item from lowest to highest price.

The successful vendor (Mid-West Supply) has been selected using the criteria of lowest bidder. It is now necessary to notify the unsuccessful bidders that their quotation will not be accepted. This is accomplished by flagging those vendors needing to be notified.

Name (Position) Wilton Saban (Inventory Supervisor)

To flag/reject quotations, follow the menu path:

# Logistics ► Materials Management ► Purchasing ► RFQ/Quotation ► Quotation ► Price Comparison

This will produce the following screen again.

l 🔁		
Purchasing Organization	US00	
Quotation		to 🛃
Collective RFQ	RFQ1000	to 🛃
Vendor		to 🔄
Material		to 🔁
Comparison Values Reference Quotation Meneroce Quotation Minimum Value Quotation Percentage Basis Max. No. Quotations per Page Data Colordations	12	
Price Calculations		
Include Discounts		
Include Delivery Costs ✓ Determine Effective Price		

Enter Purchasing Organization **US00**, and Collective RFQ **RFQ1**###. Select **Mean Value Quotation** and **Determine Effective Price**. Then, select to execute the price comparison. This shows the following screen.

Price Comparison List in Currency USD						
📕 🖣 🕨 🎽 🥒 Quotat	ion & Materia	। 🗞 Vendor Add	itional Info 🛛 🕹			
				1	1	
Material	Quot.:	6000000001	600000003	600000002	600000000	
Sh. Text	Bidder:	125001	107000	103000	125001	MEAN
Qty. in Base Unit	Coll. No. :	RFQ1000	RF01000	RF01000	RFQ1000	
CHL01000	Val.:	6,400.00	7,000.00	7,300.00		6,900.00
Chain Lock	Price:	32.0	35.00	36.50	noprice	34.50
200 EA	Rank:	1 93	2 101 %	3 106 %		
Total Quot.	Val.:	6,400.00				6,900.00
	Rank:	1 93 %	2 101 %	3 106 %		

Determine the Vendor that you are going to do business with (the lowest priced quotation) by rejecting the other two. To do so, double-click on the quotation number with 36.50 USD. This will produce the following screen.

US00 RFQ1### Mean Value Quotation Determine Effective

Price

R

<b>1</b>	Maintain Quot	ation : Item (	verview							
<b>B B</b>	B 🗅 🗃 😃 🗉 🛛	2 🚔 🖪 🕄 👪	2 🛼 🖻 🖡							
FQ endor	600000002	RFQ Type Dallas Bike Basics	AN	RFQ Date QuotDdin						
uotatior	n Items									
uotatior Item	n Items Material	Short Text	RFQ Quant	tity	O C Deliv. Date	Net Price	Per	O Mat. Gr	rp Pint SLo	

Select **R** (Rejection Ind.) to indicate rejection of this quotation. Click on  $\square$ . Acknowledge the warning message prompted by the system with Yes and save anyway.

Repeat the process for the second quotation to be rejected (35.00 USD).

Click on the exit icon 🐼 to return to the SAP Easy Access screen.

### Step 10: Create Purchase Order Referencing an RFQ

Task Create a	purchase order with reference to an RFQ.	Time 5 min
the successful	otion Create a PO by referencing the quotation received from vendor. Reference is made to the successful quotation and the ported into a new PO.	
Name (Positio	on) Aura Maxwell (Buyer)	
To create a pu	rchase order, follow the menu path:	Menu path
<b>•</b>	Materials Management ► Purchasing ► Purchase Order Vendor/Supplying Plant Known	
	avigation screen on the left side, click on view On. As selection variant choose <b>Requests for quotations</b> w.	Requests for quotations
your chain loc Material Type	Document Verview       Prch. Org.         Prchase orders       Prch. Org.         Prchase orders       Prchase orders         Scheduling agreements       Scheduling agreements         Scheduling agreements       W purchase orders         W purchase orders       W purchase orders <t< td=""><td>Trading Goods</td></t<>	Trading Goods

Double-click on your chain lock (CHLO1###) to select it. When your

CHLO1###

Vendor name

Material

material number is populated in the Material Number field, make sure that all other search criteria fields are blank and click on . This will produce a screen with your three RFQs.

🚸 - 🖸 🚱 🛗 I 🌐 - I 🔸
Purch.doc.
• 🔸 600000001
• 🔶 600000002
• 🔶 600000003

Click on (Change Breakdown). In the following screen, select **Vendor name** in the right table (Column Set) and click on to add it to the Sort criteria. Then, select vendor name in the left table (Sort criteria) and click on to display the vendor name first, then the document number.

After you have confirmed your changes by clicking on  $\checkmark$ , you will see the names of your vendors in alphabetic order.

Click on the right part of the Select Layout icon and choose Change layout... Select **Material** in the right table (Column Set) and click on  $\checkmark$  to add it to the displayed columns.

After you have confirmed your changes by clicking on  $\checkmark$  and expanding all three folders, you will see the following screen.

ــــــــــــــــــــــــــــــــــــــ	
VendName/Purch.doc.	Material
🔻 📄 Dallas Bike Basics	
• 🔶 600000002	CHLO1000
Mid-West Supply	
• 🔶 600000001	CHLO1000
🔻 📄 Spy Gear	
• 🔶 600000003	CHLO1000

Single-click on the requisition/quotation that you want to reference (Mid-West Supply) and select into adopt the information.

Note: If you try and adopt one of the other quotations you will get a message that the quotation item is already rejected.

Verify that the system copied the Material number CHLO1###, Quantity 200, three months from today as Deliv. Date, and the Net Price of 32.00 USD.

Purch. Org.	US00 GE	BI US							
Purch. group	100 No	orth America							
Company Code	US00 G	obal Bike Inc.							
S Itm A I	Material	Short Text	PO Quant	ity O C De	liv. Date Net Price	Curr Per	O Matl Group	Pint	Stor. Loc

CHLO1### 200 3 months from today 32.00 USD

Mid-West Supply

If the header data is not yet displayed, open the section by clicking on Header. On the Conditions tab, record the total value of the purchase order (6,400 USD).

If the line item data is not yet displayed, open the section by clicking on Item Detail. On the Delivery Schedule tab, select the first line. Then, click on below the table to perform a schedule line split.

/	Material Data 👔	Quantities/Weights 🗡	Deliver	y Schedule	Delivery	Invoice	e 🛛 Conditic	ins 👔	Text	s 🛛 Delivery Ad	dress 🖌	Conf
	S., C Delivery D.,.	Sched. Qty	Time	Stat. Del	GR qty		Purch.req.	Req	N	Open Quantity	Sc	. P.,
	D 09/23/2016	200		09/23/2016			10000014	10			2001	

Acknowledge the red error message by changing the Sched Qty. of the first line from 200 to **100**. Then, enter the following data for the second line:

Delivery Date	one week after the first delivery
Sched Qty.	100
Purchase Req.	same as previous line
Requisn Item	same as previous line

Then, click on  $\bigcirc$ . Verify your item details with the screenshot below.

Material Data	Quantities/Weights 🗡	Deliver	ry Schedule	Delivery	Invoice	e Conditio	ons 👔	Text	s 🛛 Delivery Ad	dress	Cont
S C Delivery D	Sched. Qty	Time	Stat. Del	GR qty		Purch.req.	Req	N	Open Quantity	Sc.	P
D 09/23/2016	100		09/23/2016			10000014	10			1001	
D 09/30/2016	100		09/30/2016			10000014	10			1002	

On the Material Data tab, select **InfoUpdate**.

Then, find the following menu item in the system menu:

Purchase Order ► Save.

The system will assign a unique purchase order document number.

Standard PO created under the number 4500000001

Click on the exit icon 😪 to return to the SAP Easy Access screen.

200 → 100

1 week after 1<sup>st</sup> delivery 100

same

same

InfoUpdate

Purchase order document number

# Step 11: Display Purchase Order

Task Review your purchase order.	Time 5 min
<b>Short Description</b> Now you want to display electronically what you have sent to your vendor.	
Name (Position) Aura Maxwell (Buyer)	
To display a purchase order, follow the menu path:	Menu path
Logistics ► Materials Management ► Purchasing ► Purchase Order ► Display	
This will produce the following screen.	
Standard P0 450000001 Created by GBI-000	
Document Overview Off 🗋 🧐 👘 👘 Print Preview Messages 🗓 🚰 Personal Setting	
Wendor 125001 Mid-West Supply Doc. date 06/23/2016	
B         S., Itm         A         I         Material         Short Text         PO Quantity         O         C         Deliv. Date         Net Price         Curr         F           Image: International Control Contron Contron Control Control Contron Control Control Contron Contr	
If the purchase order number from the previous step is not already displayed, click on 🖻 (Other Purchase Order).	
In the following screen, enter (or find) your purchase order number in the	
Pur. order field, select Pur. order and click on Other Document.	
Then, click on <b>Print Preview</b> to look at the electronic printout.	
Click on the exit icon 🔇 twice to return to the SAP Easy Access screen.	

# Step 12: Create Goods Receipt for Purchase Order

Task Create Goods Receipt for Purchase Order Short Description Receive into inventory the stock items ordered from Mid- West Supply in the previous task. A goods receipt document will be created referencing our purchase order thereby ensuring that we receive the products ordered within the timeframes requested and in quality condition. Goods on hand will be increased and an accounting document will be generated recognizing the value associated with these goods. Name (Begitian), Tationa Karnava (Beggiving Clark)	Time 5 min
Name (Position) Tatjana Karsova (Receiving Clerk)	
To create a goods receipt for a purchase order, follow the menu path: Logistics ► Materials Management ► Inventory Management ► Goods Movement ► Goods Receipt ► For Purchase Order ► GR for Purchase Order (MIGO)	Menu path
Make sure that Goods Receipt and Purchase Order are selected in the dropdown lists. Enter your PO number in the field next to them. You might want to search for your PO number by using the F4-Help. In that case use the Purchasing Documents for Material tab, enter your material and select Standard PO (NB) for Order Type. Then, select your purchase order. Delete the number in the second field next to your PO number. After you PO number is entered, press Enter which will populate your PO data into the fields.	Goods Receipt Purchase Order your PO number
Line         Mat. Short Text         OK         Qty in UnE         E         SLoc         Batch         Valuation         M         D Stock Type         Pht           1         Chain Lock         100         EA         Trading Goods         101 +         Uttrastrict * DC Marri           2         Chain Lock         100         EA         Trading Goods         101 +         Uttrastrict * DC Marri	
You should see two lines with 100 ea each of Chain lock. Here we only work on the first line. In the case that you have only one line with 200 ea of the Chain look please change the Quantity from 200 to <b>100</b> . If the line item in	100
the item overview section is read only, click on the at the bottom of the screen to close the item detail section. Then, check <b>OK</b> . SLoc (Storage location) <b>Trading Goods</b> should already be entered.	OK Trading Goods
Finally, click on Post or to post your goods receipt. The system will create a unique goods receipt document.	Goods receipt documen number
Click on the exit icon 🕼 to return to the SAP Easy Access screen.	

# Step 13: Verify Physical Receipt of Goods

Task Verify the physical receipt of goods.		Time 5 min
<b>Short Description</b> Review the current invent chain locks. The stock overview provides invention this material for all organizational levels.	•	
Name (Position) Tatjana Karsova (Receivi	ng Clerk)	
To verify the receipt of goods, follow the me	enu path:	Menu path
Logistics ► Materials Management ► In Environment ► Stock ► Stock Overview		
Enter Material <b>CHLO1###</b> (replace <b>###</b> with and Display version <b>1</b> . Then, click on <b></b>	h your number), Plant <b>MI00</b> ,	CHLO1## Mi00 1
😵 🚖   🛗   😑 🔎   🕄 Detailed Display		
Client/Company Code/Plant/Storage Location/Batch/Special Stock	Unrestricted use Qual. inspection Reserved	
	100.000	
<ul> <li>USOO Global Bike Inc.</li> <li>Image: Image: Ima</li></ul>	100.000	
•      GOO Trading Goods	100.000	
Image: Stock Overview: Basic List         Stock SLoc         Pint       M100         SLoc       TG00		
SLoc		
Stock Type Sales orders	Stock	
Cust.sched.agmts	0.000 -	
Cust. contracts	0.000	
Deliv, w/o charge Schd.for delivery	0.000	
On-Order Stock	100.000	
Consgt ordered	0.000	
Note that there are 100 pieces on stock for un		
in on-order stock (still to be delivered to the	Miami plant). Click on 🔼	
Click on the exit icon 🔇 to return to the SAI	P Easy Access screen.	

### Step 14: Create Invoice Receipt from Vendor

Task Create an invoice receipt from your vendor.

**Short Description** Enter an invoice received from Mid-West Supply for 3,200.00 associated with the recent PO and goods receipts. This invoice will be posted to an existing G/L expense account in your Chart of Accounts and saved as an Accounts Payable to Mid-West Supply. The invoice is presented below in order to support you making the necessary journal entry.

		Mid-West Supply		
Mid Woot Su	pply, P.O. Box 452	22. 69510 Lincoln	Invoice 005	04-###
Mid-West Ou	5piy, 1.0. Dox 452			0 <b>-</b>
	oods Miami 1 Blue Lagoon I	Drive	Date Accountin Clerk: Order Number: Payment method: Dispatch: Page:	06/01/2012 Addison Bennet 20417823410 invoice free delivery 1
Billing Date: 06/01/2012				
Payment Date: 09/01/2012				
Invoice				
	ura Maxwell, your request, we	e hereby send you with the followir	ng invoice:	
Position	Quantity	Description	Amount	Total Amount
		Invoice 00504-###		
1.1	100	CHLO1### Chain Lock	32.00	3,200.00 US
	isfer the total an int listed below.	nount with reference to the invoice	and specify the invoice	e number in the
		erty until the complete amount is shment underlie our general terms		
		ng our range of information on our ew of our service portfolio.	website at <u>www.mid-w</u>	est-supply.com where
	Lake	Account Number. 100000 RTN: 435 222 956 Bank of America, Lincoln		
Mid-West Supp 335 W Industial 68516 Lincoln,				
335 W Industial		BIC: BOALUSLIABC IBAN: US22 8400 0000 0991 0044 01		

#### Time 5 min

Menu path

© SAP SE

To create an invoice receipt, follow the menu path:

#### Logistics ► Materials Management ► Logistics Invoice Verification ► Document Entry ► Enter Invoice

ransaction	1 Invoice	•	•		💭 🛛 Balance	0.00	
Basic data	Payment Details	Tax Cor	itacts Note	1	9		
Invoice date	04/30/2010	Reference					
Posting Date	04/30/2010						
Amount	3,200.00		📃 Calculate tax				
Tax Amount		XI XI (Input T	ax) 💌				
Text	INVOICE 00504-000	1		ð			
Baseline Date							
Company Code	US00 Global Bike Ir	c. Dallas					

Enter today's date as Invoice date using F4 and Enter. Check your Company Code US00. Enter the amount from the invoice above (3,200.00) in the Amount field and select XI as Tax Code (field next to Tax Amount). Then, type in INVOICE 00504-### as Text and click on  $\heartsuit$ .

Enter (or find) **your PO number** in the middle of the screen (next to the drop-down field with Purchase Order/Scheduling Agreement) and press Enter.

Messages 🚺 Help

Enter TX000000 in the Jurisd. Code field

Enter Incoming Invoice: Company Code US00
Show PO structure Show worklist 111 Hold 1111 Hold 11111

button to see if the postings are correct.

Transaction	1 Invoice	•	COE Balance 0.00 USD	
Basic Data	Payment Details	Tax Contacts Note	Vendor 0000125001	
			Mid-West Supply	12
Invoice date	06/27/2016	Reference	335 W Industrial Lake Dr	
Posting Date	06/27/2016		LINCOLN NE 68528	
Amount	3,200.00	USD Calculate tax	USA	
Tax amount		XI XI (Input Tax) 🔹		
Text	INVOICE 00504-000			
Paymt terms	Due immediately			
Baseline date	06/27/2016			
Company Code	USOO Global Bike Inc. I	Dallas		
PO Reference	G/L Account Ma	aterial		
1 Purchase Order/	'Scheduling Agreem 🔻	450000001	1 Goods/service items	_
			Layout 7_6310 All information	_
Item Amour	nt Quantity	O., Purchase Item	PO Text Tax C	od
1	3,200.00	100EA 🔽 <u>500000001</u> 10	Chain Lock XI XI	: (
	<b>.</b>		ine item. Use the 躍 Simulate	1
hack tha	Rooking Ak	check how in your l	ing itom Lica the Missimulate	

today's date US00 3,200.00 XI INVOICE 00504-###

> your PO number TX0000000

> > Booking OK

Invoice document number

Finally, click on **Post** to post your invoice receipt. The system will

🖌 Document no. 5105600102 created

Click on the exit icon $\bigotimes$ to return to the SAP Easy Access screen.	

# Step 15: Display Purchase Order History

Task Display the purchase order history.	Time 5 min
<b>Short Description</b> Review the status for the PO for chain locks. A PO history tab is created within the PO once a transaction has taken place against the order number to support this functionality.	
Name (Position) Wilton Saban (Inventory Supervisor)	
To display the purchase order history, follow the menu path:	Menu path
Logistics ► Materials Management ► Purchasing ► Purchase Order ► Display	
Your PO is displayed automatically. If not, click on C (Other Purchase Order) and find your PO number. If the line item data is not yet displayed, open the section by clicking on T Item Detail.	
On the Purchase Order History tab, review the activity that has taken place in reference to this purchase order. Click on your <b>WE</b> (Goods Receipt) <b>material document number</b> . This will bring you directly to the material document created when you did your goods receipt.	WE
On the Doc. info tab, select $\frac{1}{1000}$ FI Documents. You are now looking at the General Ledger posting that took place in the background when you saved your goods receipt. Click on $\boxed{3}$ twice to go back to your PO.	
On the Purchase Order History tab, click on your <b>RE-L</b> (Invoice Receipt) document number. This will bring you directly to the invoice document you just created when you did your invoice receipt.	RE-L
Select Follow-On Documents	
On the right side of the screen, click on II (Line item list) to see here that the invoice is still open, meaning that you have not paid the vendor.	
Click on the exit icon is three times to return to the SAP Easy Access screen.	

# Step 16: Create Goods Receipt for Purchase Order

Task Create a goods receipt for a p	ourchase order.	Time 5 min
from Mid-West Supply in the prior created referencing our purchase or	0	
Name (Position) Tatjana Karsova	(Receiving Clerk)	
To create a goods receipt for a pure	chase order, follow the menu path:	Menu path
	nent ► Inventory Management ► ceipt ► For Purchase Order ► GR for	
dropdown lists. Enter your PO num	Purchase Order are selected in the mber in the field next to them. Then, hase order should now be populated into	Goods Receipt Purchase Order Your PO number
•	emaining <b>100</b> pieces. If the line item in the	100
	click on the bottom of the screen en, check <b>OK</b> . SLoc (Storage location) entered.	OK Trading Goods
Finally, click on Post or 🚽 to post create a unique goods receipt document.	t your goods receipt. The system will Material document 5000000002 posted	Goods receipt document number
Click on the exit icon 🐼 to return t	to the SAP Easy Access screen.	

### Step 17: Create Invoice Receipt from Vendor

Task Create an invoice receipt from a vendor.

**Short Description** Enter an invoice received from Mid-West Supply for 3,200.00 USD associated with the recent PO and goods receipts. This invoice will be posted to an existing G/L expense account in your Chart of Accounts and saved as an Accounts Payable to Mid-West Supply. It will be settled by issuing a check to Mid-West Supply at a later date. The invoice is presented below in order to support your making the necessary journal entry.

Dear Ms. Aura Maxwell, Regarding your request, we hereby send you with the following invoice:						
Position	Quantity	Description	Amount	Total Amount		
		Invoice_00515-###				
1.1	100	CHLO1### Chain Lock	32.00	3,200.00 USD		

Name (Position) Silvia Cassano (Accounts Payable Specialist)

To create an invoice receipt, follow the menu path:

#### Logistics ► Materials Management ► Logistics Invoice Verification ► Document Entry ► Enter Invoice

Analogous to the first invoice receipt, enter **today's date** as Invoice date using F4 and Enter. Check your Company Code **US00**. Enter the amount from the invoice above (**3,200.00**) in the Amount field and select **XI** as Tax Code. Then, type in **INVOICE 00515-###** as Text and click on

Enter **your PO number** in the middle of the screen (next to the drop-down field with Purchase Order/Scheduling Agreement) and press Enter. Enter **TX0000000** in the Jurisd. Code field.

Check the **Booking OK** check box in your line item. Use the Simulate button to see if the postings are correct. Click on Post to post your invoice receipt. The system will generate a unique number for this document.

Click on the exit icon 😪 to return to the SAP Easy Access screen.

today's date US00 3,200.00 XI INVOICE 00515-###

Menu path

your PO number TX0000000

Booking OK

# Step 18: Post Payments to Vendor

<b>Task</b> Post payments to <b>Short Description</b> Iss settle their entire Accor them includes both of journal entry is made to bank checking account	sue a payr punts Paya the invoid to Account t in the G	nent to yo able balar ces that yo nts Payabl /L.	nce. Note that ou have previo le for Mid-We	the amount due ously entered. A est Supply and to	to	Time 5 min
Name (Position) Silv	'1a Cassar	io (Acco	unts Payable S	Specialist)		
To post payments to a Accounting Fina	ncial Aco	counting	Accounts	Payable <b>&gt;</b>		Menu path
Document Entry	Outgoin	g Payme	nt 🕨 Post			
In the Post Outgoing F date as Document Dat	•	Header I	Data screen, e	nter (or select) <b>t</b>	oday's	Today's date
In the Bank data field amount you are going & 00515-###".	0 1			· · ·		100000 6,400.00 INVOICES
In the Open items sele your <b>Mid-West Supp</b> and Search term <b>###</b> in below. <b>Post Outgoing</b> Process Open Items	ly vendor n the F4 ł	in the Ad help). Ver	ccount field (a ify your data	igain, use City <b>I</b>	incoln	Mid-West Supply Lincoln ###
Document Date 06,	/27/2016 Ty	rpe KZ	Company Code	US00		
Posting Date 06,	/27/2016 Pe	eriod 4	Currency/Rate	USD		
Document Number			Translation dte			
Reference			Cross-CCode No.			
Doc.Header Text			Trading part.BA			
Clearing text						
Bank data						
	0000	_	Business Area			
	00.00	_	Amt.in loc.cur.			
Bank charges	107 (001 6		LC bank charges			
	/27/2016 /OICES 00504-0	00 & 00515-00	Profit Center D Assignment			
		.00 a 00010 00	Abighmont			
Open item selection			Additional selection	ons	]	
Account 123	5001		<ul> <li>None</li> </ul>			
Account type K	Ot	her accounts	OAmount			
Special G/L ind	√St	andard OIs	ODocument N	umber		
Pmnt advice no.			OPosting Date			
Distribute by age			ODunning Area	а		
Automatic search			Others			
Select Process Open Ite	ms. This	will prod	luce the follow	ving screen.		

Post Outgoing Payments Process open items										
🔊 🔀 Dist	ribu	ute Difference	l	Charge	e Off D	ifference	🧷 Editir	ig Options	💋 Cash Dis	c. Due
Standard Account it		Partial Pmt		Res.It		WH Tax	:			
	D.	Document	n	Du	Da			CashDiscount	. Icon	
Document	υ	Document	P	<u>ь</u> п	Da	USD G	ross	CashDiscount	: CDPe	er.
		06/27/2016		DU	Da 0		200.00-	CashDiscouni	: CDP6	er.

Invoices selected will be displayed in blue. At the bottom of the screen, you should see that the total amount has been fully assigned.

Display from item	1	Assigned	6,400.00
Reason code		Difference postings	
Display in clearing curre	ency	Not assigned	0.00

Click on 🔚 to post payments to the Mid-West Supply. The system create a unique vendor payment document number.

Document 150000001 was posted in company code US00

Click on the exit icon  $\bigotimes$  and select YES to return to the SAP Easy Access screen.

Vendor payment document number

\_

### Step 19: Display Vendor Line Items

<b>sk</b> Displa	ay the vend	or line iten	ns			Time 5 min
the Acco debit po	ounts Payab osting indic	ole for Mid ating the re	-West Supp eceipt of the	ctivity and ass ly. You should two invoices a to Mid-West S	l see both a cr and the issuar	redit
me (Posi	ition) Shuy	yuan Chen	(Chief Acc	ountant)		
ccountir		ncial Acco	follow the r	nenu path: Accounts Paya	able 🕨 Acco	Menu path
d on onto	er the numb	er of your	Mid-West S	Supply vendor	(for your	Mid-West Supply
mber ### ar as Fisc een.	t) in the Ver cal year. Th	en, click o		ode <b>US00</b> , and vill produce the	the current	US00 current year
mber ### ar as Fisc een.	t) in the Ver cal year. Th	en, click o	n 🖗. This w	vill produce the	the <b>current</b> following	USOO
mber ### ar as Fisc een.	t) in the Ver cal year. Th	en, click o		vill produce the	the <b>current</b> following	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1	t) in the Ver cal year. Th	en, click o	n 🖗. This w	vill produce the	the <b>current</b> following	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2	t) in the Ver cal year. Th	en, click o	n 🖗. This w	vill produce the	the <b>current</b> following	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2 3	t) in the Ver cal year. Th	en, click o	n 🖗. This w	vill produce the	the <b>current</b> following	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2	t) in the Ver cal year. Th	en, click o	n 🖗. This w	vill produce the	the <b>current</b> following	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2 3 4 5 6	t) in the Ver cal year. Th	en, click o	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2 3 4 5 6 7	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2 3 4 5 6 7 8	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2 3 4 4 5 6 7 8 9	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2 3 4 5 6 7 8	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals sp Period Balance Car 1 2 3 4 4 5 6 7 8 9 10	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals sp Period Balance Car 1 2 3 4 4 5 6 6 7 8 9 10 11 12 13	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2 3 4 4 5 6 6 7 8 8 9 10 11 11 12 13 14	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals sp Period Balance Car 1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and the current of	USOO
mber ### ar as Fisc een. Bals Sp Period Balance Car 1 2 3 4 4 5 6 6 7 8 8 9 10 11 11 12 13 14	<ul> <li>the Verball</li> <li>the verb</li></ul>	credit	n 🖗. This w	vill produce the	es and a second se	USOO

Review for open items. Double-click on the current period to review the line items that make up the balance. Here, you can see which line items are open and which ones have been cleared. In your case, you should see a symbol.

Click on 😪 three times to return to the SAP Easy Access screen.

# Step 20: Display Purchase Order History

Task Display the purchase order history.	Time 5 min
<b>Short Description</b> Review the status of POs for chain locks. The PO history tab is updated once a transaction has taken place against the order number.	
Name (Position) Wilton Saban (Inventory Supervisor)	
To display the purchase order history, follow the menu path:	Menu path
Logistics ► Materials Management ► Purchasing ► Purchase Order ► Display	
Your PO is displayed automatically. If not, click on Cother Purchase Order) and find your PO number. If the line item data is not yet displayed, open the section by clicking on Tem Detail.	
open the section by clicking on in Item Detail.	
On the Purchase Order History tab, review the activity that has taken place in reference to this purchase order. Click on the new <b>WE</b> (Goods Receipt) material document number – you should now have two documents. This will bring you directly to the material document created when you did your goods receipt.	WE
On the Doc. info tab, select <b>FI Documents</b> . You are now looking at the General Ledger posting that took place in the background when you saved your goods receipt. Click on twice to go back to your PO.	
On the Purchase Order History tab, click on the new <b>RE-L</b> (Invoice Receipt) document number – you should now have two documents. This will bring you directly to the invoice document you just created when you did your invoice receipt.	RE-L
Select Follow-On Documents	
On the Delivery Schedule tab, review the line items that have had deliveries against them. Are there any line items left outstanding?	
Click on the exit icon 🔇 to return to the SAP Easy Access screen.	



Step 21: Display/Review G/L Account Balances and Individual Line Items

Short Description activity and a	y/review the G/L iption Display a associated balanc ion) Shuyuan C	nd confirm by i ces for several a	individual accor accounts in you	unt number the	s. <b>Time</b> 5 min
Accounting	/L account balaı g ► Financial A lances (New)		1	er 🕨 Account 🕨	Menu path
<b>current year</b> below will ap	count <b>100000</b> (F as Fiscal year. opear (amounts i er may be differe	Then, click on night be differe	🖗. A similar sc		100000 US00 current year
Period	Debit	Credit	Balance	Cumulative balance	
Bal.Carryfor					
1					
2					
3					
4					
5		5,250.00	5,250.00-	5,250.00-	
6	20,092.50	11,400.00	8,692.50	3,442.50	
7				3,442.50	
8				3,442.50	

3,442.50

3,442.50

3,442.50

3,442.50

3,442.50

3,442.50

3,442.50

Double-click on the row for the current month (the first column indicates the SAP periods which are 12 month plus 1 special period).

16,650.00

20,092.50

On the G/L Account Line Item Display G/L View screen, you can see all debits and credits toward GBI's bank account in the US in the current month. (Your numbers may be different except the 6,400.00- USD)

	pany	count Code	100 US0 OL		ank A	ccou	nt					
	St	Assignment		DocumentNo	Buså	Тур	DocDate	PK	Amount in	n local	cur.	LCuri
		20160617		100000000		SA	06/17/2016	50		5,000	0.00-	USD
	-	20160617		1400000003		DZ	06/17/2016			20,092		USD
	-	20160627		1500000002		ΚZ	06/27/2016	50		6,400	0.00-	USD
*	<b>~</b>	,								8,692	2.50	USD
** Account 100000									8,692	2.50	USD	

9

10

11

12

13

Total

Note: Because all participants in your class (virtual GBI employees) are posting to the same US bank account, you need to find your postings in the overall list. In order to do so, take a look at the Text column and search for your ###, e.g. "INVOICES 00504-000 and 00515-000" if your number is 000. INVOICES 00504-000 and 00515-000

Once you find your line item, you should also recognize the Document Number. Double-click on your line item to display details. When you scroll down, you should find your user name indicating that you have created the vendor payment document.

Field Description	Field Value	
Transaction	RFBU	
Currency	USD	
Ref. procedure	BKPF	
Record Type	0	
Version	1	
Account Number	100000	
CO Area	NA00	
Amount in TC	6,400.00-	
LC Amount	6,400.00-	
OrigTrnsCrcyAmt	6,400.00-	
Debit/Credit	Н	
Posting period	006	
Or.trans.currny	USD	
Fiscal Year	2016	
Posting Date	06/27/2016	
Document Number	150000002	
Line item	001	
Posting Key	50	
User Name	GBI-000	
Time Stamp 📃 🔪	20,160 27,124,004	L

Click on  $\checkmark$  and then choose C twice to go back to the G/L Account Balance Display screen.

Repeat the above procedure for the G/L account **300000** (Payables-Trade Accounts). In the list of documents, you should find your two invoices (INVOICE 00504-### and INVOICE 00515-###).

Click on the exit icon 😪 to return to the SAP Easy Access screen.

300000

###



Time 75 Min Learning objective Understand and perform a Material Management process.

Motivation After you have successfully worked through the material management case study, you should be able to solve the following task on your own.

Scenario The price of your material CHLO1### has decreased. Now the price is 50.00 USD. Based on your inquiry of 300 pieces the Mid-West Supply gives a new offer to the price of 26.00 USD per piece. The Dallas Basic Bike gives an offer of 25.50 USD. Please choose the best offer and order the material. Then pay the delivery.

Advice You can use this case study as guidance since it is based on the same process. However, it is recommended that you solve it without any help in order to test your acquired knowledge.