

Customer Master Info- Record

Introduction:

When a customer places an order using their own material number, the Customer-Material Info Record (CMIR) in SAP helps map the customer's material code to our internal material code. During sales order creation, if the end user enters the customer's material number, the system automatically identifies and pulls in our corresponding material code based on the CMIR. This setup is maintained using transaction code **VD51**.

Business Case:

ABC Pvt. Ltd. is a manufacturing company that supplies products to its customer, XYZ Distributors. While placing orders, XYZ Distributors refers to the product **by their own internal material number**, not ABC's material number.

Example:

- **Our Material Code (ABC Pvt. Ltd.):** MAT-1001 (e.g., "Premium Printer Paper A4 – 500 sheets")
- **Customer's Material Code (XYZ Distributors):** XYZ-PAPER-A4

Now, to simplify the order entry process and reduce errors, a **Customer-Material Info Record (CMIR)** is created using **T-code: VD51**, where:

- Customer: XYZ Distributors (Customer Number: 100001)
- Customer Material Number: XYZ-PAPER-A4
- Our Material Number: MAT-1001

How It Works During Sales Order Creation:

When a sales representative from ABC Pvt. Ltd. is creating a sales order for XYZ Distributors in **VA01**, instead of searching for ABC's internal material code (MAT-1001), the representative can directly enter **XYZ-PAPER-A4** (customer's material number).

Thanks to the CMIR maintained earlier, the SAP system **automatically replaces** the customer's material number with the corresponding internal material number (MAT-1001) in the sales document.

Test Case:

Here, I Have taken master data different than what I mentioned in the business case

i. Goto VD51 T-code

Create Customer-Material Info Record

Customer	100035	Genz Automobile Auto Hub
Sales Organization	AUVA	Sales Org AUDI USA
Distribution Channel	AU	Show Room Sales

Provide Material code of Manufacturing Organization and Customers material code which is being used by customers to place order.

Create Customer-Material Info Record: Overview Screen

Customer	100035	Genz Automobile Auto Hub
Sales Organization	AUVA	Sales Org AUDI USA
Distribution Channel	AU	Show Room Sales

Material No.	Description	Cust. Material	RdPr	UM
3747		Genz Audi E-tron		
3759		Genz Audi A4 Model		

Go to Details, the fields defined in the CMIR are given the highest priority when determining values in the sales document.



Change Customer Material Info Record : Item Screen

▲ ▼  Classify

Material	<input type="text" value="3747"/>		
	AUDI E-TRON		
Sales Organization	<input type="text" value="AUVA"/>	Sales Org	AUDI USA
Distribution Channel	<input type="text" value="AU"/>	Show Room Sales	
Customer	<input type="text" value="100035"/>	Genz Automobile Auto Hub	

Customer material


Customer Material	<input type="text" value="GENZ AUDI E-TRON"/>
Customer Description	<input type="text"/>
Search term	<input type="text"/>

Shipping

Plant	<input type="text"/>
Delivery Priority	<input type="text" value="1"/> High
Minimum Delivery Qty	<input type="text"/> EA

Partial delivery

Part.dlv./item	<input type="checkbox"/>	Underdel. Tolerance	<input type="text"/> %
Max.Part.Deliveries	<input type="checkbox"/>	Overdeliv. Tolerance	<input type="text"/> %
		Unlimited Tolerance	<input type="checkbox"/>

 Customer-material info was saved



ii. Create a sales Order in VA01

☐ Create with Reference
 ☒ Sales
 ☐ Item Overview
 ☐ Ordering Party
 ☐ Characteristics

Order Type: Standard Order OTC

Organizational Data		
Sales Organization	AUVA	Sales Org AUDI USA
Distribution Channel	AU	Show Room Sales
Division	A4	Sedan's
Sales Office		
Sales Group		

When Customer material Number is Entered by End User , Material will be Determined Automatically into the sales order Because of CMIR Configuration

☒ Standard Order OTC
 Net Value: 30,004.00 USD

Sold-to Party: 100035
 Mr. Genz Automobile Auto Hub, 45 4355 bridge port dr, memphis TN 38112

Ship-to Party: 100035
 Mr. Genz Automobile Auto Hub, 45 4355 bridge port dr, memphis TN 38112

Cust. Reference: OTC CYCLE
 Cust. Ref. Date: 04/25/2025

Req. Deliv. Date: D 04/25/2025
 Deliver. Plant:

Complete Div.:
 Total Weight: 4,500 KG

Delivery Block:
 Volume: 0.000

Billing Block:
 Pricing Date: 04/25/2025

Pyt Terms: 0001 Pay Immediately w/o Deduction

Inco. Version:
 Incoterms: CFR

Inco. Location1: Memphis

Item	Material	Req. Segment	Order Quantity	Un	S	Item Description	Customer Material Number
10	3747		1 EA		✓	AUDI E-TRON	GENZ AUDI E-TRON
20	3759		1 EA		✓	AUDI A4 MODEL	GENZ AUDI A4 MODEL

☒ Standard Order OTC 6683 has been saved.

