Records

Logistics Case Study

IVF6ILV

Integrated Value Flows

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Table of Contents

[SD Challenge 3](#_Toc159789405)

[Task 3](#_Toc159789406)

[Datasheet 3](#_Toc159789407)

[Process steps 3](#_Toc159789408)

[Step 1: Create .... 3](#_Toc159789409)

[Step 2: Create .... 3](#_Toc159789410)

[PP Challenge 4](#_Toc159789411)

[Task 4](#_Toc159789412)

[Datasheet 4](#_Toc159789413)

[Process steps 4](#_Toc159789414)

[Step 1: Create .... 4](#_Toc159789415)

[Step 2: Create .... 4](#_Toc159789416)

[MM Challenge 5](#_Toc159789417)

[Task 5](#_Toc159789418)

[Datasheet 5](#_Toc159789419)

[Process steps 5](#_Toc159789420)

[Step 1: Create .... 5](#_Toc159789421)

[Step 2: Create .... 5](#_Toc159789422)

[Logistics Case Study 6](#_Toc159789423)

[Task 6](#_Toc159789424)

[Datasheet 6](#_Toc159789425)

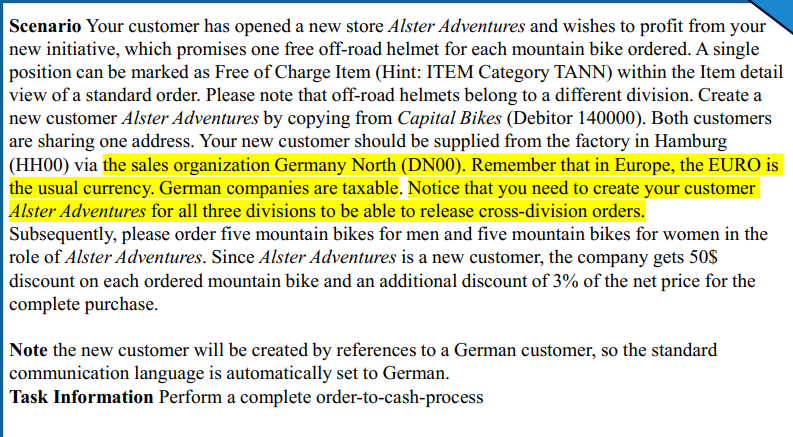
[Process steps 6](#_Toc159789426)

[Step 1: Create .... 6](#_Toc159789427)

[Step 2: Create .... 6](#_Toc159789428)

# SD Challenge

## Task



## Datasheet

|  |  |  |
| --- | --- | --- |
| Type (Organizational Data  /Master Data/Transaction Data) | Data | Number |
| Master Data | Business Partner (Customer) | 1003422 |
| Transaction Data | Sales Order | 220 |
| Transaction Data | Outbound Delivery | 80000088 |
| Transaction Data | invoice | 90000087 |
| Transaction Data | Journal Entry | 90000009 |
|  |  |  |
|  |  |  |
|  |  |  |

## Process steps

### Step 1: Create Alster Adventures S25 014

Created it by copying from Capital Bikes 140001, Berlin location

Customer Number: 1003422

Ein Bild, das Text, Screenshot, Software, Zahl enthält.

KI-generierte Inhalte können fehlerhaft sein.–

We can see here by copying from capital bikes, we also have the DN00 Wholesales BI division which is needed later.   
Note: We only have 2 divisions but the task description SD challenge states we need to create it for all three divisions, which right now is not clear to me what this means.

Ein Bild, das Text, Reihe, Zahl, Schrift enthält.

KI-generierte Inhalte können fehlerhaft sein.

### Step 2: Create Standard Order Part 1

Description & Screenshots

Standard Order

Ein Bild, das Text, Screenshot, Software, Schrift enthält.

KI-generierte Inhalte können fehlerhaft sein.

....

### Step 3: Create Standard order Part 2

Ein Bild, das Text, Software, Zahl, Reihe enthält.

KI-generierte Inhalte können fehlerhaft sein.

### Step 4: Details about pricing conditions

Women Bikes

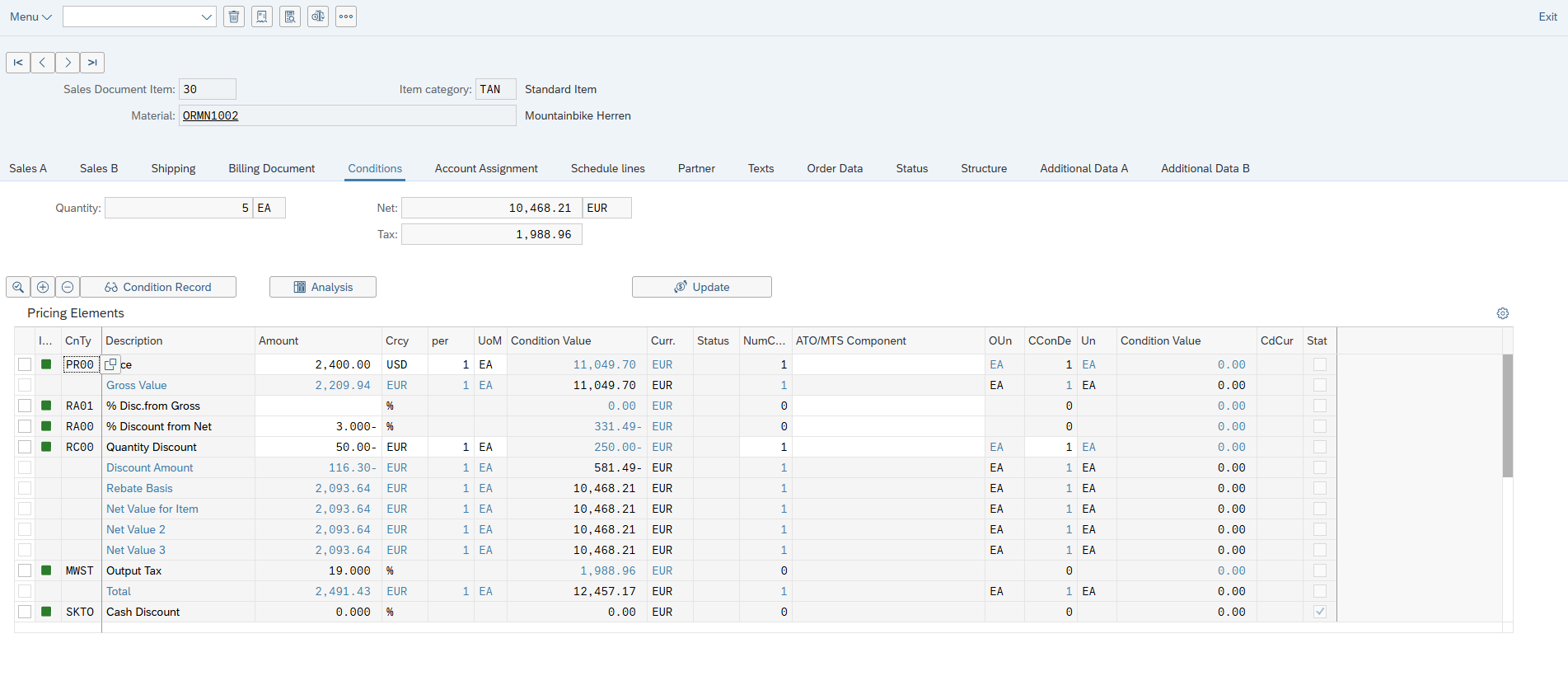
RA00 Discount from Net : 3%

RC00 Quantity Discount: -50€ (this is per bike so 250 total)

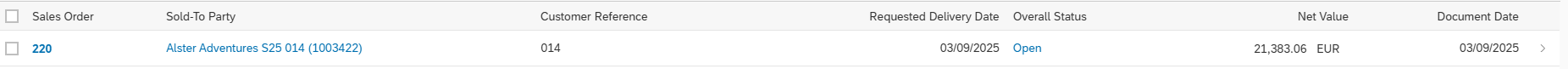
Ein Bild, das Text, Screenshot, Zahl, Software enthält.

KI-generierte Inhalte können fehlerhaft sein.

Men Bikes (same as Women above)



### Step 5: Finish Sales Order



### Step 6: Track Sales Order

A screenshot of a computer

AI-generated content may be incorrect.

### Create Outbound Delivery

Used sales document: 220 -> pressed button <create deliveries>

### Manage Outbound deliveries

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AI-generated content may be incorrect.

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AI-generated content may be incorrect.

### Outbound Delivery Saved

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AI-generated content may be incorrect.

### Pick Outbound Delivery

A screenshot of a computer

AI-generated content may be incorrect.

### Goods picked & POST GI was successful

A screenshot of a computer screen

AI-generated content may be incorrect.

### Create Billing Document

Sales Document: 80000088

### Manage Billing Document

Here we can overview the correct state.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

### Process Flow Overview

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AI-generated content may be incorrect.

# PP Challenge

## Task

## Datasheet

|  |  |  |
| --- | --- | --- |
| Type (Organizational Data  /Master Data/Transaction Data) | Data | Number |
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## Process steps

### Step 1: Create ....

Description & Screenshots

### Step 2: Create ....

Description & Screenshots

### Step 3: Create ....

Description & Screenshots

### Step 4: Create ....

Description & Screenshots

### Step 5: Create ....

Description & Screenshots

### Step 6: Create ....

Description & Screenshots

# MM Challenge

## Task

## Datasheet

|  |  |  |
| --- | --- | --- |
| Type (Organizational Data  /Master Data/Transaction Data) | Data | Number |
| Master Data | Customer (Business Partner) | 1003453 |
| Transaction Data | Purchase Info Record (Bolt1014) | 5300000517 |
| Transaction Data | Purchase Info Record (TRTR1014) | 5300000522 |
| Transaction Data | Purchase Info Record (TRWH1014) | 5300000524 |
| Transaction Data | Purchase Requisition | 10001300 |
| Transaction Data | Purchase Order | 4500000190 |
| Transaction Data | Material Document | 5000000351/2025 |

## Process steps

### Step 1: Create Business Partner

Description & Screenshots

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AI-generated content may be incorrect.

Roles

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AI-generated content may be incorrect.

For the Vendor Roles, here we see the PO & CC

Purchasing Organisation:

Within it we also set USD currency & Payment immediately due

A screenshot of a computer

AI-generated content may be incorrect.

### Step 2 : Create purchasing info record

For all three materials the process is the same. You choose e.g. material name, price in conditions, delivery quantity etc.

Bolt:

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AI-generated content may be incorrect.

Created (Bolt)

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AI-generated content may be incorrect.

Completion of all 3 materials purchase info records

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AI-generated content may be incorrect.

### Step 3: Create Purchase Requisition

All steps are the same for all 3 materials.

Bolt:

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AI-generated content may be incorrect.

Same steps for Tire & Wheel.

Material Order

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AI-generated content may be incorrect.

### Step 4: Create purchase order

Bolt:

A screenshot of a computer

AI-generated content may be incorrect.

### Step 5: post goods receipt for purchasing document

A screenshot of a computer

AI-generated content may be incorrect.

### Step 6: Check for stock

Here its shown for bolts

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AI-generated content may be incorrect.

# Logistics Case Study

## Task

## Datasheet

|  |  |  |
| --- | --- | --- |
| Type (Organizational Data  /Master Data/Transaction Data) | Data | Number |
| Master Data | Business Partner (Customer)  Sport Center S25 014 | 1003425 |
| Master Data | Business Partner (Supplier) Mid-West Supply S014 | 1003159 |
| Transaction Data | Standard Order | 239 |
| Transaction Data | Routing Group | 50000007 |
| Transaction Data | Production Version | 2514 |
| Transaction Data | Planned Orders | [2875](https://m30z.ucc.ovgu.de/sap/bc/ui2/flp) | 2876 |
| Transaction Data | Purchasing Info Records | TRFR3014 – 5300000116  CHAN1014 – 5300000107  TRHB1014 – 5300000120  TRSK1014 – 5300000126  TRTR1014 - 5300000130  TRTB1014 – 5300000136  TRWH1014 – 5300000144  BOLT1014 - 5300000151 |
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## Process steps

### Step 1: Create Business Partner / Customer

Description & Screenshots

Ein Bild, das Text, Screenshot enthält.

KI-generierte Inhalte können fehlerhaft sein.

### Step 2: Create Sales Order

Issue with my material : DXTR3014. This issue was resolved within class for my particular case.

Task – Discuss the availability date

In my case 03/22/2025 comes about as the 10 day delivery time for the item.

Ein Bild, das Text, Screenshot, Zahl, Software enthält.

KI-generierte Inhalte können fehlerhaft sein.

Step 3: Show Manage Material Coverage

Plant: MI00

Stock: 0

Ein Bild, das Text, Screenshot, Software, Zahl enthält.

KI-generierte Inhalte können fehlerhaft sein.

### Step 3: Display multilevel BOM ....

Description & Screenshots

TRWA1014

Includes:

* TRTR1014 – Touring Tire Quantity: 1
* TRTB1014 – Touring Tube Quantity: 1
* TRWH1014 – Touring Aluminum Wheel Quantity: 1
* BOLT1014 – Socket Head Bolt 5x20mm Quantity: 2

Create Alternative

Example shown for TRWA1014

Ein Bild, das Text, Software, Computersymbol, Multimedia-Software enthält.

KI-generierte Inhalte können fehlerhaft sein.

TRWA1014 - Alternative: 02

Ein Bild, das Text, Screenshot, Zahl, Schrift enthält.

KI-generierte Inhalte können fehlerhaft sein.

DXTR3014 – Alternative: 02

Ein Bild, das Text, Screenshot, Zahl, Schrift enthält.

KI-generierte Inhalte können fehlerhaft sein.

DXTR3014

Includes:

* TRWA1014 – Touring Alininum Wheel Assembly Quantity: 2
* TRFR3014 - Touring Frame-Red Quantity: 1
* CHAN1014 – Chain Quantity: 1
* TRHB1014 - Touring Handle Bar Quantity: 1
* TRSK1014 - Touring Seat Kit Quantity: 1

Ein Bild, das Text, Screenshot, Zahl, Software enthält.

KI-generierte Inhalte können fehlerhaft sein.

Final Step -Display Multilevel BOM

Ein Bild, das Text, Reihe, Screenshot, Zahl enthält.

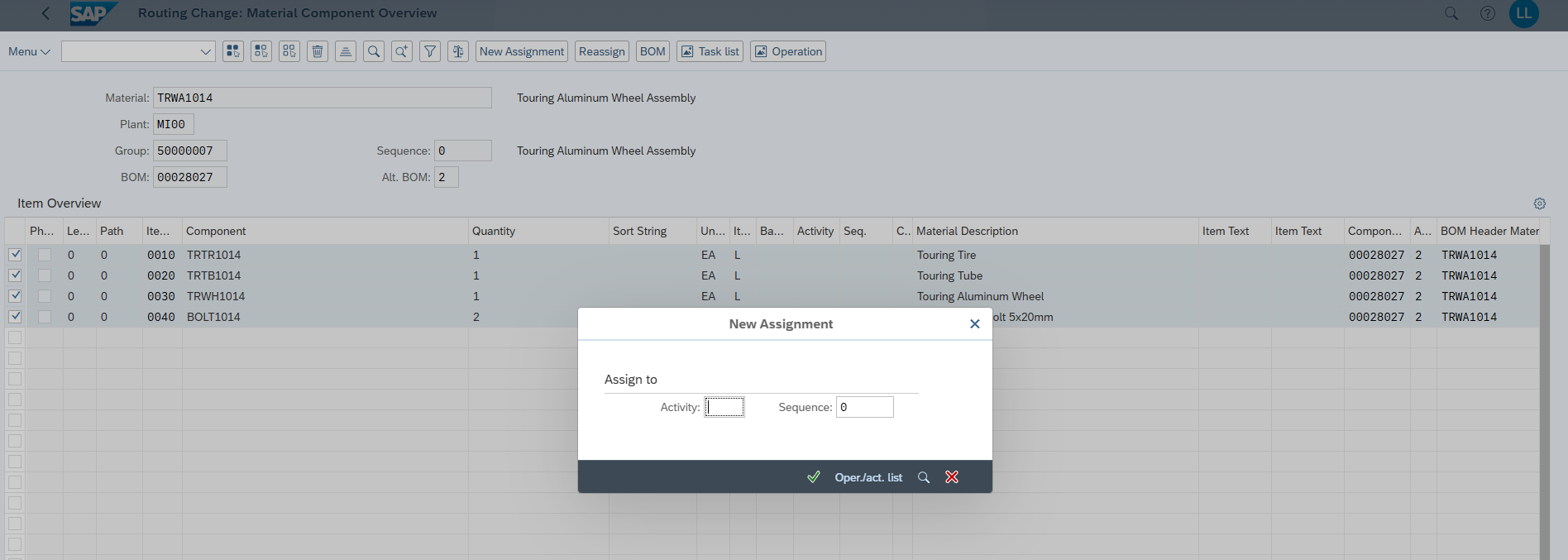
KI-generierte Inhalte können fehlerhaft sein.

### Step 4: Create Routing

Description & Screenshots

TRWA1014

Here we see I chose Alt. BOM 2 for my prior created alternative.



I chose the entries -> New assignment -> Oper/act list -> chose assembly and saved the already existing routing or rather updated it with the Alt. Bom of 2DX

Ein Bild, das Text, Screenshot, Software, Computersymbol enthält.

KI-generierte Inhalte können fehlerhaft sein.

DXTR3014

Again Alt. Bom of 2

Ein Bild, das Text, Screenshot, Zahl, Schrift enthält.

KI-generierte Inhalte können fehlerhaft sein.

Ein Bild, das Text, Screenshot, Software, Multimedia-Software enthält.

KI-generierte Inhalte können fehlerhaft sein.

Saved

Ein Bild, das Text, Screenshot, Software, Computersymbol enthält.

KI-generierte Inhalte können fehlerhaft sein.

### Step 5: Production Versions

Description & Screenshots

TRWA1014

Production Version: 2514 (as requested in teams chat)

Alternative BOM: 2

Group (Routing): 50000007

Ein Bild, das Text, Screenshot, Software, Zahl enthält.

KI-generierte Inhalte können fehlerhaft sein.

DXTR3014

Production Version: 2514 (as requested in teams chat)

Alternative BOM: 2

Group (Routing): 50000007

Ein Bild, das Text, Screenshot, Software, Computersymbol enthält.

KI-generierte Inhalte können fehlerhaft sein.

Verification creation of Production Versions for TRWA1014 & DXTR3014

Ein Bild, das Text, Schrift, Reihe, Screenshot enthält.

KI-generierte Inhalte können fehlerhaft sein.

### Step 6: Material Requirements Planning (MRP)

Description & Screenshots

Select my BOM with alternative 2 and the other materials

Ein Bild, das Text, Screenshot, Software, Zahl enthält.

KI-generierte Inhalte können fehlerhaft sein.

Screenshot of MRP run and overview in app. DXTR3014 is processed now.

Planned Order: 2875

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TRWA1014

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AI-generated content may be incorrect.

### Step 7: Purchasing Info Records

All 8 items. The records were there already from last year but with huge prices and those I changed to be more reasonable as you described in the task.

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AI-generated content may be incorrect.