

# Technical Document - Orders Changess

## Order Promising

### [Technical Document - Order Promising](#)

## Order Changes

- [1 Order Promising](#)
- [2 Technical Document - Order Promising](#)
- [3 Order Changes](#)
- [4 Access Management](#)
- [5 Data flow](#)
  - [5.1 Overview](#)
  - [5.2 Core Rules](#)
  - [5.3](#)
  - [5.4](#)
  - [5.5 Reporting](#)
- [6 Data loadings](#)
- [7 Data Quality Controls](#)
- [8 Operational Documentation](#)
  - [8.1 Procedures](#)
  - [8.2 Scheduling](#)
  - [8.3 Monitoring](#)
  - [8.4 Error Handling](#)
  - [8.5 Known Bugs](#)
  - [8.6 Roadmap](#)

## Access Management

### Roles & Access

Role Code	Role Description	Explanation
ZBI_RCS_SD_A01	Application role for Global Sales project / SD data / Orderbook	Role for the application
ZR_RCS_CA_M49	SD - Sales and Distribution	Role menu for the application

### Authorization Objects

List of authorization objects mandatory for the application.

Authorization object	Explanation
CPFCTR1_2	GBU
C_COMPCDE	Legal company
C_SAL_OF	Sales office

WARNING: For the PO part the notion of sales offices doesn't exist. The restriction in sales offices will not be considered for the reports PO and PO+SO.

## Data flow

### Overview

The objective of the is to track the changes in the SAP tables: VBAK(Sales Document: Header Data), VBAP(Sales Document: Item Data), VBEP (Sales Document: Schedule Line Data), VBKD(Sales Document: Business Data), VBPA(Sales Document: Partner).

The [data flow](#) is based on the LSA method. The data visualization is done on the multiproviders MVSDCH01(SD - Sales Order Modifications (Global)) .

## Core Rules

An example of changes done on 23.10.2023 for order:3445278/10.

Source System	Sales Item	Customer Country		Field modified	Old Value	New Value	Counter	New Value Quantity KG	Old Value Quantity KG	Total RL time	Confirmed qty.
WPI_400	3445278/10	CN	CHINA	Schedule line date	22.10.2023	23.10.2023	1	0	0	0	0
WPI_400	3445278/10	CN	CHINA	Goods issue date	22.10.2023	23.10.2023	1	0	0	0	0
WPI_400	3445278/10	CN	CHINA	Confirmed Quantity	784.980 KG	805.680 KG	1	805,680	784,980	0	0
WPI_400	3445278/10	CN	CHINA	Confirmed Quantity	805.680 KG	847.046 KG	1	847,046	805,680	0	0

### Changes in 3445278 000010 0001

Item:000010  
 Sched. Line:0001  
 Schedule line date changed  
 Old:22. 10. 2023  
 New:23. 10. 2023

Table	Field	User	TCode	Date	Time
VBEP	EDATU	YFLI	VA02	23. 10. 2023	01:36:30

### Changes in 3445278 000010 0001

Item:000010  
 Sched. Line:0001  
 Goods Issue Date changed  
 Old:22. 10. 2023  
 New:23. 10. 2023

Table	Field	User	TCode	Date	Time
VBEP	WADAT	YFLI	VA02	23. 10. 2023	01:36:30

### Changes in 3445278 000010 0001

Item:000010  
Sched. Line:0001  
Confirmed Quantity changed  
Old: 784,980 KG  
New: 805,680 KG

Table	Field	User	TCode	Date	Time
VBEP	BMENG	YFLI	VA02	23. 10. 2023	01:36:30

### Changes in 3445278 000010 0001

Item:000010  
Sched. Line:0001  
Confirmed Quantity changed  
Old: 805,680 KG  
New: 847,046 KG

Table	Field	User	TCode	Date	Time
VBEP	BMENG	YFCHEN1	VA02	23. 10. 2023	09:14:37

## Reporting

Core queries

The core queries are based on the multiproviders MVSDCH01:

Workbook		Query	
Order Changes	BW_WBK_MVSDCH01_0020	BW - Follow-up modification on SO (Core Query)	BW_QRY_MVSDCH01_0020

## Data loadings

Main Process Chain	Final Info Provider	Frequency	Start Time	Duration
PC_SD_CHANGE_DOC	CRSDCH05, 15	Daily	~9:00am CET	~1h

## Data Quality Controls

Data comes from SAP system. To compare data between BW and sources systems, check propagation layers.

## Operational Documentation

### Procedures

<Describe the recurring procedures needed to operate the application (eg. start/pause/terminate/restart the app processes, data preparation, data ingestion, ETL, data visualization, data export, other manual activities)>

## **Scheduling**

<Describe the scheduling in place for the application (eg. existing jobs, trigger time/event based, dependencies)>

## **Monitoring**

<Describe the monitoring checks to confirm the application is performing well (eg. check the overall status, check performance metrics like runtime /data volume/memory/disk/CPU, maintain and react to alerts/notifications)>

## **Error Handling**

<Describe how to handle errors (eg. error codes, description and respective resolution, alert users)>

## **Known Bugs**

<List the existing bugs, its criticality, workarounds and resolution plan.>

## **Roadmap**

<List past & future evolutions for the application (including links to MED/FSD/TSD)>