SAP PM / 05

Organizational Fields in SAP

Lesson screens · Examples · Exercises

PURPOSE

Find the three organizational questions in the actual lesson screens. Examine the different roles of equipment master data, configuration and maintenance orders.

WHAT YOU WILL LEARN

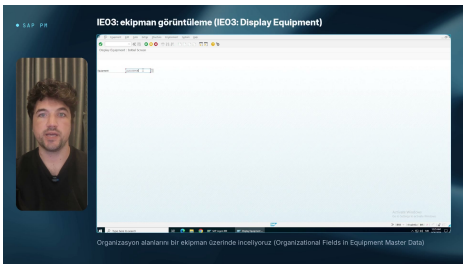
1. Find location and organization fields in equipment
2. Understand master data versus configuration
3. Compare assignments proposed in an order

HOW TO USE THIS GUIDE

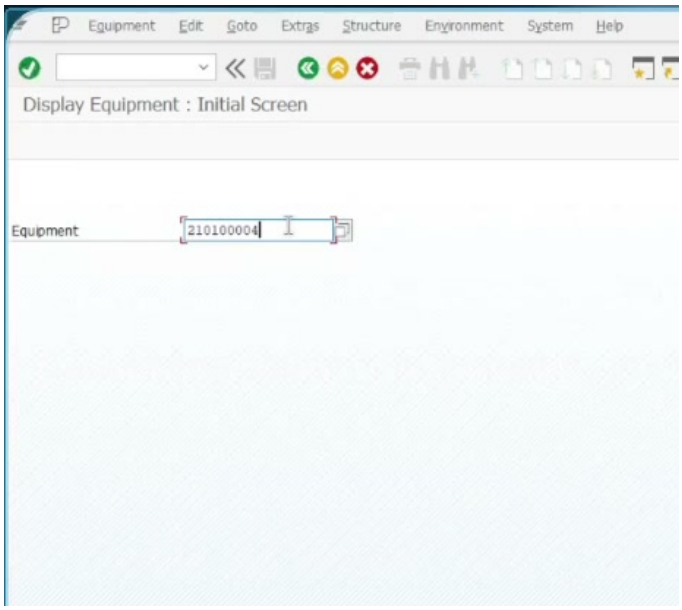
Read the explanation, then inspect the related lesson screen. Try the exercises before looking at the answer key. Timestamps below images show the moment in the long lesson from which the frame was taken. Codes belong to the example system; your training environment may use different values.

01

Opening equipment with IE03



Lesson frame



Detail

01:03 | The initial equipment display screen in IE03.

This exercise inspects existing equipment records. Open IE03 from the command field, enter the equipment number and display the record. Use search help if the number is unknown. Check the number and description in the header to avoid inspecting a different machine with a similar name. IE01 creates, IE02 changes and IE03 displays equipment. The first goal is not to create a new record, but to find the three organizational assignments. Tabs and visible fields can differ by equipment category, system version and company settings.

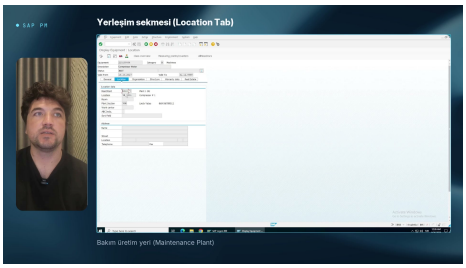
- 1. Open transaction IE03
- 2. Select the correct equipment number
- 3. Verify the header and description

REMEMBER

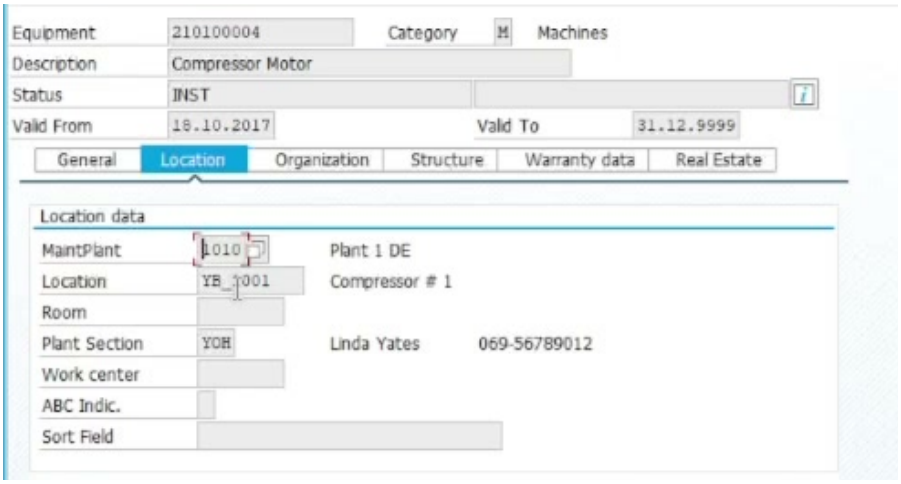
The opening example and the order comparison use different equipment records. Do not combine their numbers as if they were one record.

02

Location: finding the maintenance plant



Lesson frame



Detail

01:22 | Close-up of the Location tab: read field labels together with their values.

Inspect the maintenance plant in the equipment's Location tab. This field represents the technical asset's organizational location. It is not the same as an address, description or planning responsibility. Other fields, such as company code or cost center, may also be visible and answer different business questions. At this stage, focus on the maintenance plant value and its meaning. Then compare it with planning responsibility in the Organization tab. Even when the values match, the concepts remain different.

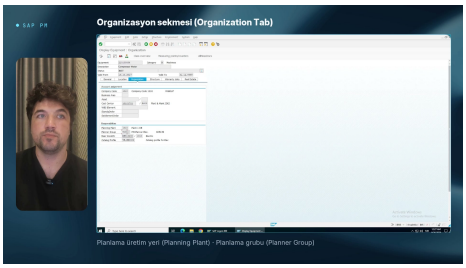
- Field: maintenance plant
- Business meaning: where is the technical asset?
- Next comparison: planning plant

REMEMBER

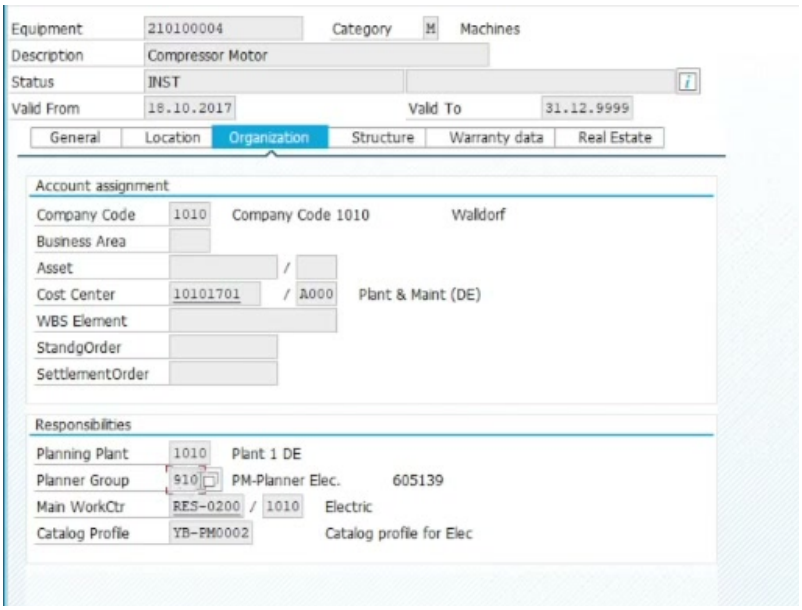
Fields appearing close together on the screen do not necessarily represent the same organizational level.

03

Organization: planning assignments



Lesson frame



Detail

01:51 | This example shows planning assignments 1010 / 910.

Review the planning plant and planner group together in the Organization fields. In this lesson close-up, the planning plant is 1010 and the planner group is 910. These are example-system codes; yours may differ. The planning plant identifies the plant responsible for planning, while the planner group identifies the planning group within that structure. Checking the group description is more useful than memorizing its code. Display mode lets you read the fields, but changes require the appropriate transaction and authorization.

- Planning plant 1010: the plant responsible for planning
- Planner group 910: the responsible planning group
- The codes belong to this lesson’s example system

REMEMBER

The later order example showing 1710 is not a contradiction: that comparison uses a different equipment record.

04

Master data, configuration and transaction data

01

Configuration

02

Master data

03

Transaction data

The equipment record is master data for a machine. It can hold plant and planner group assignments. Definitions of available organizational units and their relationships belong to configuration. A maintenance order is transaction data for a specific job. Keep these three levels separate: changing one equipment assignment is not the same as redesigning the company's organization. Likewise, choosing a different resource in an order does not necessarily change equipment master data. First identify which type of record you are working with.

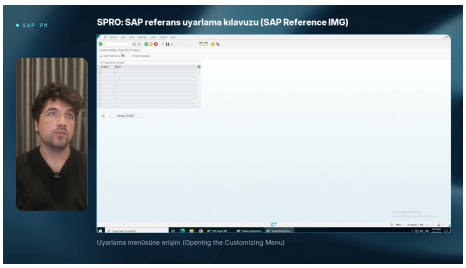
- Configuration: which values and relationships are available?
- Master data: what are this equipment's assignments?
- Order: which assignments are used for this job?

REMEMBER

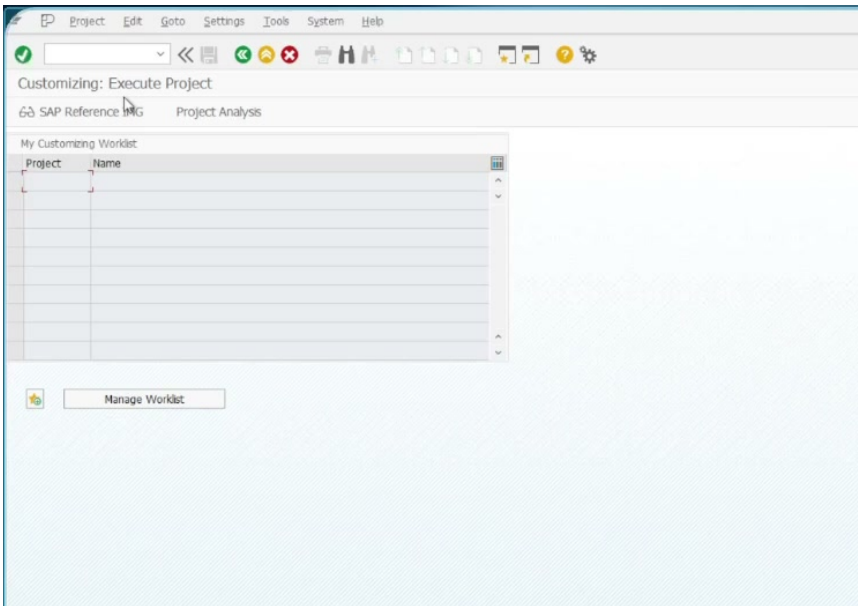
Before correcting an order value, consider its source: master data, an order-specific selection, or configuration?

05

SPRO, IMG and F1 help



Lesson frame



Detail

03:00 | Entering SAP Reference IMG through SPRO.

Opening SAP Reference IMG through SPRO displays a tree of configuration activities. Many PM settings are under Plant Maintenance and Customer Service, while some organizational definitions are under Enterprise Structure or other branches. Do not expect every setting in one menu. F1 help is a useful starting point for understanding a field. Depending on the screen and permissions, technical information or related configuration links may also be available. This guide demonstrates inspection; detailed organizational design is a separate task.

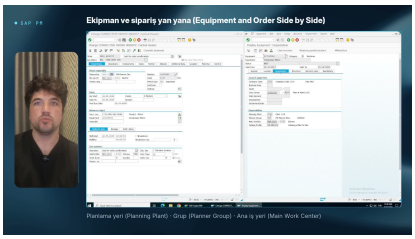
- SPRO: entry point to configuration
- IMG: tree of configuration activities
- F1: field meaning and technical information where available

REMEMBER

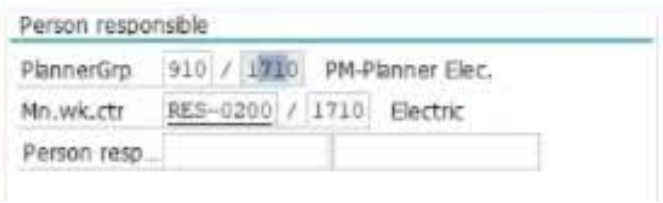
Reading field help and changing configuration are different actions. First inspect the existing definition during training.

06

From equipment to maintenance order



Comparing the related records





Order

Equipment

05:30 | Order 4002072 and the related equipment side by side; this example uses 1710 / 910.

A maintenance order manages a specific maintenance job. IW31 creates, IW32 changes and IW33 displays orders. The lesson compares existing order 4002072 with equipment instead of creating a new order. This example shows planning plant 1710 and planner group 910. SAP can propose some technical-object assignments in the order. This does not mean every field always remains identical: order type, system rules and user selections can matter. Compare the field name, value and business meaning in both screens.

- 1. Verify the technical object in the order
- 2. Compare planning plant and planner group
- 3. Inspect the main work center and operations separately

REMEMBER

Do not interpret the earlier 1010 screen and this 1710 example as a change to the same equipment.

07

Operations and the expected review result

01

Inspection

02

Repair

03

Test

Operations represent the steps within a maintenance order. A job may include inspection, disassembly, replacement and testing, possibly with different resources. At the end of this review, you should be able to identify the asset’s maintenance plant, the responsible planning plant and the planner group. You should also show how those assignments are used in the order. If values differ, first verify that you are comparing the correct records. Do not change values only to make the numbers match.

- Equipment: check the base assignments
- Order header: check responsibility for this job
- Operation: check the resource for each step

REMEMBER

The next work center lesson explains the difference between main and operation work centers.

Try it yourself

01 EXERCISE

Open equipment with IE03 and note the maintenance plant, planning plant and planner group.

02 EXERCISE

Open a related order with IW33 and compare its planning assignments.

03 EXERCISE

If values differ, which three checks should you perform before changing anything?

Answer key

01 SAMPLE ANSWER

Expected output: a field-value list with the meaning of each field. Use your organization’s example record; 1010, 1710 and 910 are not mandatory values.

02 SAMPLE ANSWER

Expected output: comparison of records for the same technical object. Check whether proposed assignments have changed in the order.

03 SAMPLE ANSWER

The correct equipment/order relationship; display versus change mode; and the value’s source in master data, order selection or configuration.

Quick glossary and further reading

IE03	Display equipment
Location	Tab for location information
Organization	Tab for organizational assignments
SPRO / IMG	Configuration access and activities
IW33	Display maintenance order
Operation	A work step within an order

LESSON AND SCREEN SOURCE

ERPHub · Enes Alku. These expanded notes are based on the related recorded lesson. Teaching scenarios and exercises were prepared for this guide.

OFFICIAL FURTHER READING

SAP Learning - Explaining Organizational Levels ↗

SAP Learning - Configuring Technical Objects ↗

Screens come from the lesson's SAP GUI environment. Fields may vary by version, theme, authorization and company configuration. Cloud Public Edition references support the concepts; their menu paths may differ.