

Reading Sample

In this sample, you'll get a selection of tips from different parts of the book. In Tip 12, you'll find a few little-known integrated planning checkboxes; in Tip 43, learn how to change a field entry in all material masters in a plant at once. Tip 71 discusses how to perform multiple valuations with the material ledger, and in Tip 108, you'll learn how to view data in tables directly with the Data Browser.



Introduction

Tips: 12, 43, 71, 108



Contents



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Introduction

Welcome to the second edition of *100 Things You Should Know About Controlling with SAP*. The best-selling first edition was published in 2010 and received many favorable reviews. This second edition contains 10 additional tips to further enhance the great content.

Concept of this Book

This book is designed to make reading and understanding Controlling in SAP ERP more interesting and accessible for your day-to-day work. You can flip through this book and search for ideas on each page to see if any of the 110 topics catches your attention. If so, you can read through the idea in a matter of minutes and decide whether you'd like to research the topic further. Since it's limited how much information can be placed on a few pages, each tip generally references other materials where you can do further research and reading.

SAP OSS Notes are a great way to research topics, though knowing the best search terms to find relevant notes takes practice. The OSS Notes referenced in this book will take you to exactly the right place to carry out further research. In a way, you can use this book as an index to OSS Notes and other resources.

Who this Book is For

This book is designed to be useful for users, managers, consultants, and anyone interested in gaining a greater understanding of the controlling process. It contains many ideas that are simply not documented anywhere else. Some are gleaned from techniques that consultants and clients have figured out by themselves and I've been fortunate enough to work with them.

It contains easy-to-understand process overviews and detailed master data and configuration setup requirements. You can use this book as a reference, referring to specific sections when needed. For example, during master data setup, you can refer to specific ideas on master data. Or you can refer to ideas on costing sheets when configuring overhead.

The screenshots and menu paths in this book are taken from an SAP ERP 7.0, Enhancement Package 7 system.

Structure of this Book

Since the subject of controlling is vast in scope, this book is divided into nine categories, each a sub-module within Controlling. Sometimes an idea spans across several sub-modules, so if you don't find an idea in a particular category, try looking in a related category and you either might find what you're looking for, or a useful idea on a related topic. Let's discuss in more detail the contents of this book and how it's structured.

There are 11 ideas on Cost Center Accounting, 3 on Internal Orders, and 2 on the Profit Center Accounting modules. There are useful ideas on working with the standard hierarchy and account assignment. The standard hierarchy is guaranteed to contain all cost centers and should represent your organizational structure. Account assignments determine which general ledger accounts and cost and profit centers are determined automatically during a posting. You'll also find ideas on cost center, internal order and profit center planning, price calculation, and advanced reporting.

The next 54 ideas belong to the Product Cost Planning and Cost Object controlling sub-modules, which are part of Product Cost Controlling. This module takes up half the book because it's such a large part of Controlling and because it's integrated with so many other areas such as manufacturing, materials management, financial accounting, and sales and distribution. In this module, you have to move from configuring general ledger accounts and movement types to assigning purchasing condition types to origin groups for delivery costs, for example. You need to have a good idea of how at least six other modules work at a detailed level to be able to know Product Cost Controlling well. In fact, there is nearly always a discovery phase during any Controlling implementation when you learn how the detailed functions of another module work that are integrated with Controlling. This book is designed to provide you with a head start during the discovery phase, since many of these ideas are based on integration with other modules.

While there is a lot of information available in online help documentation on the material ledger and profitability analysis, the ideas in this book on each of these submodules provide an overview of how to work with common issues. Some of the material ledger ideas reference information available from several OSS Notes, which you can read for more information. By reading the ideas on each of these two modules, you'll gain a good understanding how both modules work.

There are seven ideas on general controlling such as working with controlling areas, and closing periods for accounting, controlling, and materials management. You'll also find information on navigating the Implementation Guide (IMG).

Finally, there are 10 tip on reporting. Several describe the types of standard reports available, and discuss some useful standard reports you may not be aware of. Finally you'll find some handy ideas on finding information with the Data Browser and technical help.

For more information on Controlling with SAP, visit www.sap-press.com, where you can find additional resources and companions for further reading.

Tip 12

Using Related Internal Order Integrated Planning Checkboxes

You can use several integrated planning indicators for internal orders that are located on different screens.

There are several little-known integrated planning checkboxes that are related to internal orders in both configuration and order master data. In this tip, we'll explain where they're located and how they interact.

✓ And Here's How ...

First, let's look at integrated planning checkboxes in the Controlling version.

Controlling Version Checkboxes

There are two integrated planning checkboxes in the version definition, which you maintain via Transaction OKEQ or by following this IMG menu path:

CONTROLLING • GENERAL CONTROLLING • ORGANIZATION • MAINTAIN VERSIONS

Select VERSION 0 and double-click SETTINGS FOR EACH FISCAL YEAR to display the screen shown in Figure 1.

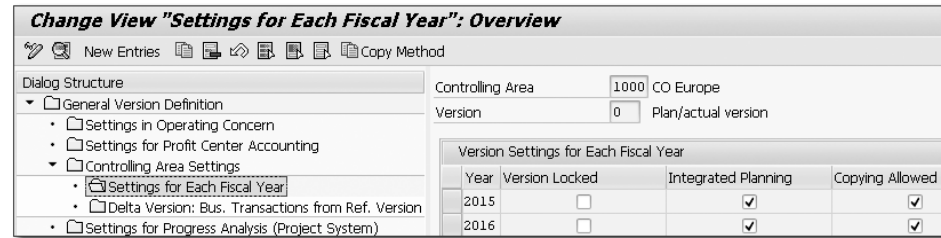


Figure 1 Controlling Settings for Each Fiscal Year

The INTEGRATED PLANNING checkbox is selected. However, there is another related checkbox in the details screen, which you display by double-clicking a year, as shown in Figure 2.

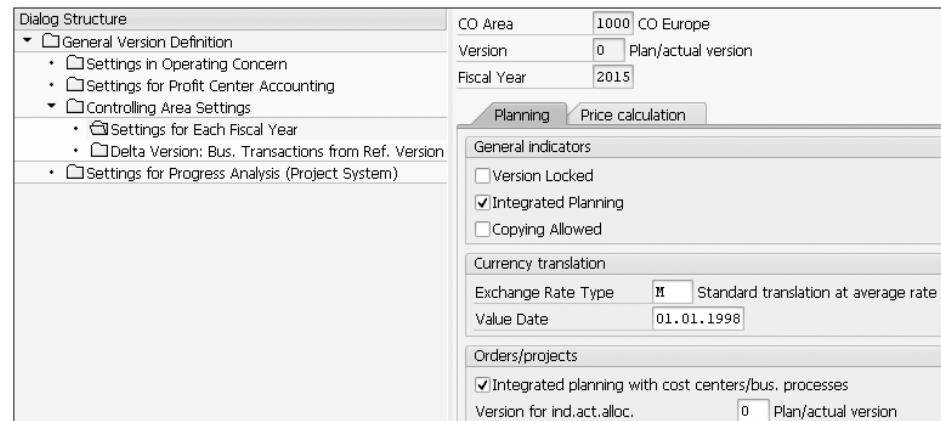


Figure 2 Detailed Settings for Each Fiscal Year

The INTEGRATED PLANNING checkbox in the GENERAL INDICATORS section of Figure 2 corresponds to the INTEGRATED PLANNING checkbox in Figure 1. The INTEGRATED PLANNING WITH COST CENTERS/BUS. PROCESSES checkbox in the ORDERS/PROJECTS section of Figure 2 has a different function.

Let's discuss the two integrated planning checkboxes per version:

► INTEGRATED PLANNING

Select this checkbox to activate integrated planning for Controlling with other applications, such as Special Ledger and Profit Center Accounting. If you select this checkbox, then every planning change creates a plan line item.

► INTEGRATED PLANNING WITH COST CENTERS AND ACTIVITY-BASED COSTING

To activate integrated planning for internal orders with Cost Center Accounting or activity-based costing, select this checkbox. Plan data is also passed on to profit center accounting and the extended general ledger if both checkboxes are selected.

You can also set the INTEGRATED PLANNING checkbox in the order type or in the internal order master data, which we'll discuss next.

Order Type and Master Data Checkboxes

Maintain order types with Transaction OKT2 or by following this IMG menu path:



Double-click an order type to display the screen shown in Figure 3.

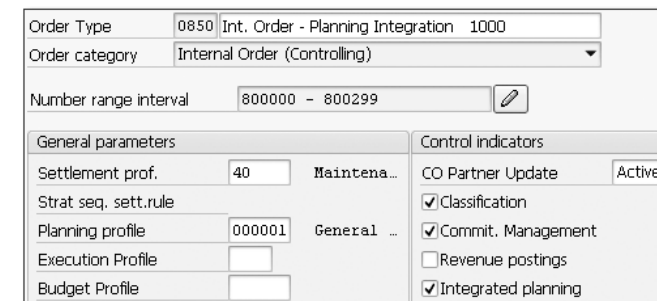
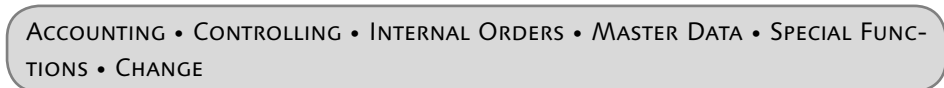


Figure 3 Integrated Planning Checkbox in Order Type

By selecting the INTEGRATED PLANNING checkbox in the order type, the same checkbox in the internal order is selected by default. Let's now look at the checkbox in the internal order master data. You maintain an internal order with Transaction KO02 or by following this menu path:



Click the CONTROL DATA tab to display the screen shown in Figure 4.

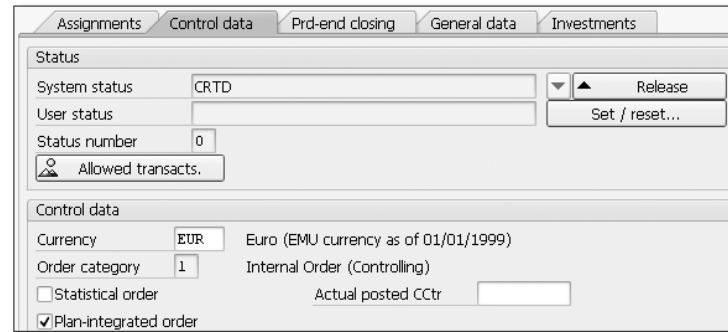


Figure 4 Internal Order Control Data Tab

You can deselect the PLAN-INTEGRATED ORDER checkbox shown in Figure 4, even though it's selected by default because the INTEGRATED PLANNING checkbox in the order type is selected. You cannot change this setting if planning data has been posted.

You can only use integrated planning for internal orders if the internal order already exists at the time of cost center planning, and you can use integrated planning for long-term orders.

If you plan activity inputs for an integrated planning order, then the scheduled activity is updated on the cost center providing the activity. During planned settlement of the order, the receiver cost center is debited with the order costs.

Tip 43

Changing Material Master Fields Collectively

When you need to update or change a field entry in more than one material master, you can carry out mass changes with Transaction MM17.

You can carry out changes to individual material masters with Transaction MM02, but many times you need to change a field entry in all material masters in a plant. Transaction MM17 is designed specifically to carry out mass changes in this case and is simple to use.

✓ And Here's How ...

To collectively change fields in a material master, first determine the table and field name of the field you want to change. Then, enter these names in Transaction MM17, and display a list of all the entries to be changed. Next, select either all or some of the listed entries, enter the new values, and carry out a mass change. Let's follow each step in detail.

Step 1: Determine Table and Field Name

Maintain a material master with Transaction MM02 or by following this menu path:

LOGISTICS • MATERIALS MANAGEMENT • MATERIAL MASTER • MATERIAL • CHANGE • IMMEDIATELY

Navigate to the SALES: SALES ORG. 2 tab to display the screen shown in Figure 1.

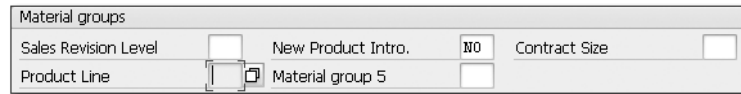


Figure 1 Material Master Fields Example

Left click in a field (PRODUCT LINE, in this example), and press **[F1]**. On the resulting screen, click the hammer and wrench icon to display the screen shown in Figure 2.

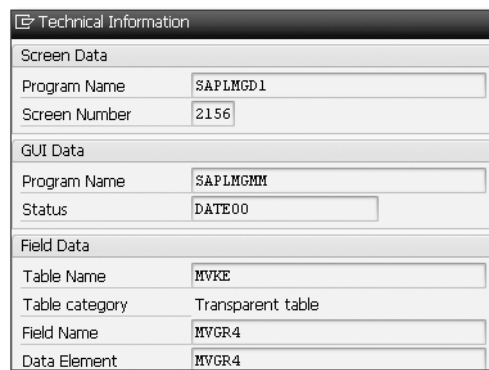


Figure 2 Technical Help Screen

Now that we know that the table name is MVKE and the field name is MVGR4, we can use Transaction MM17 to carry out mass changes.

Step 2: Display the List of Entries to Be Changed and Carry Out Mass Maintenance

You carry out material master mass maintenance with Transaction MM17 or by following this menu path:

LOGISTICS • MATERIALS MANAGEMENT • MATERIAL MASTER • MATERIAL • MASS MAINTENANCE

Scroll down the list of table names and select Table MVKE. Next, click the FIELDS tab, and select the field name, as shown in Figure 3.

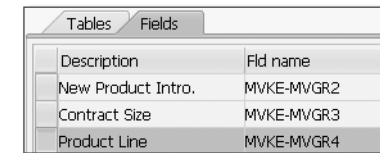


Figure 3 Select Field Name

Click the EXECUTE icon to display the screen shown in Figure 4.

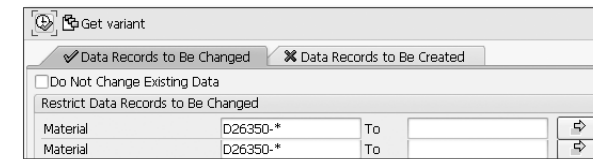


Figure 4 Selection Criteria For List of Materials

Enter the selection criteria for the list of materials to be changed, and click the EXECUTE icon to display the screen shown in Figure 5.

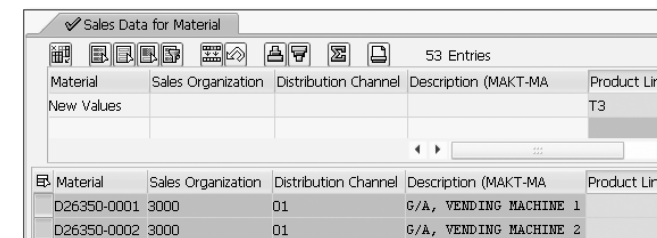


Figure 5 List of Materials Selected

A list of 53 material masters that match the selection criteria appear in this example. All entries are automatically selected. You can deselect any materials to remove them from the mass maintenance procedure.

PRODUCT LINE appears as a column, because we selected it in Figure 5. You can change the column or add additional columns by clicking the SELECT FIELDS icon on the left. In this example, we've entered T3 as the new value to be copied to all 53 materials. Click the CARRY OUT A MASS CHANGE icon to populate T3 to all 53 rows, and click SAVE to carry out the changes to the material masters.

Review the resulting list of messages to determine if all proposed changes were carried out. If any of the material masters are being individually maintained with Transaction MM02 during mass maintenance, then an error message will result.

Tip 71

Perform Multiple Valuations with the Material Ledger

The material ledger enables you to value your inventory in multiple currencies and is the basis of actual costing.

The material ledger has two basic functions:

- ▶ To carry material prices in multiple currencies and valuations
- ▶ Actual costing

Let's discuss the first bullet point in detail.

✓ And Here's How ...

Without the material ledger, inventory valuation is carried in company code currency and legal valuation. The material ledger enables the system to carry inventory in two additional currencies and valuations. In addition, all goods movements are updated in up to three currencies and valuations.

You can activate the material ledger components of multiple inventory valuations and actual costing separately. You should fully test which currencies and valuations you need before activating the material ledger because you cannot change these settings later in a production system. For more information, read OSS Note 53947 (Changing currencies after production startup).

If you use multiple valuation approaches, SAP recommends activating the material ledger in all valuation areas within a company code.

During the material ledger implementation, you can copy additional local currencies from Financial Accounting (FI). It's a good practice to have the same valuation approaches in both FI and the material ledger, so that documents in both modules are comparable. A valuation approach is the combination of currency type and valuation. The first step in introducing the material ledger to multiple valuations is setting up FI local currencies. For more information, read OSS Note 122008 (Activate transfer prices/multiple valuation approaches).

You can maintain additional local currencies in FI with Transaction OB22 or via the following IMG menu path:

FINANCIAL ACCOUNTING • FINANCIAL ACCOUNTING GLOBAL SETTINGS • COMPANY CODE • PARALLEL CURRENCIES • DEFINE ADDITIONAL LOCAL CURRENCIES

The screen shown in Figure 1 is displayed.

1st local currency	
Crcy type	10 Company code currency Currency EUR
Valuation	0 Legal Valuation
ExRateType	M Standard translation at average rate
Srcr curr.	1 Translation taking transaction currency as a basis
TrsDte typ	3 Translation date
2nd local currency	
Crcy type	30 Group currency Currency EUR
Valuation	Legal Valuation
ExRateType	M Standard translation at average rate
Srcr curr.	2 Translation taking first local currency as a basis
TrsDte typ	3 Translation date
3rd local currency	
Crcy type	40 Hard currency Currency USD
Valuation	Legal Valuation
ExRateType	M Standard translation at average rate
Srcr curr.	2 Translation taking first local currency as a basis
TrsDte typ	3 Translation date

Figure 1 Define Additional Local Currencies for Company Code

It's mandatory to define at least one local currency in FI as shown in the 1ST LOCAL CURRENCY section. This local currency includes company code currency and legal valuation. All first local currency fields are grayed out and cannot be changed.

If you define additional local currencies, every FI document will include the postings in the additional local currencies. You may need to add additional document

layout columns to display the additional currencies in FI documents. The material ledger doesn't have to be activated to define additional local currencies in FI. The material ledger only refers to postings related to inventory transactions, whereas the settings in Figure 1 refer to all FI postings.

If you use transfer prices when moving materials between legal entities, the material ledger allows you to view inventory valuations for both, including transfer pricing (company code currency and legal valuation) for legal reporting, and excluding transfer pricing (group currency and group valuation) for internal management and consolidated reporting requirements.

Tip 108

Display Data Directly with Data Browser

You can view data in tables directly with the Data Browser.

The Data Browser lets you access information in tables directly without writing a custom report. It's a powerful standard reporting tool for managers, power users, and consultants.

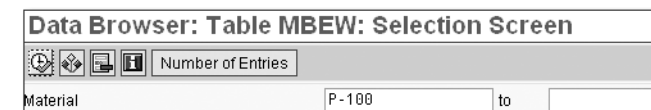
Two transactions are available for running the Data Browser. Transaction SE16N is a more recent version of Transaction SE16, and while it's more user friendly, both transactions work well. Let's look at each in turn.

✓ And Here's How ...

You can run the Data Browser with Transaction SE16 or via the following menu path:

TOOLS • ABAP WORKBENCH • OVERVIEW • DATA BROWSER

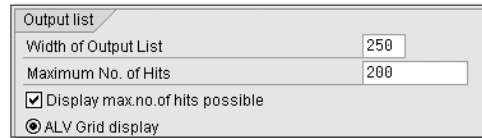
Type in the table name and press to display the screen in Figure 1.



⤴ Figure 1 SE16 Selection Screen

This selection screen allows you to enter parameters that restrict the data in the following results screen. Select **SETTINGS • FIELDS FOR SELECTION** from the menu bar to maintain the available selection fields.

Click the **NUMBER OF ENTRIES** button to display the number of entries that meet the selection criteria. Select **SETTINGS • USER PARAMETERS** from the menu bar to display the screen in Figure 2.

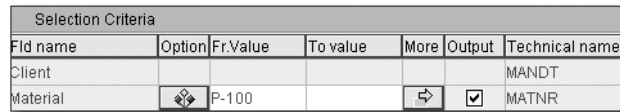


« Figure 2 SE16 User Parameters Dialog Box

Select the **ALV GRID DISPLAY** radio button to display a user-friendly results screen with the **ALV (ABAP List Viewer)** grid. The **WIDTH OF OUTPUT LIST** field isn't relevant in this case, because all possible columns are displayed.

The **MAXIMUM NO. OF HITS** field limits the number of rows displayed in the results screen. The system remembers your entry in this field.

You can only run Transaction SE16N by transaction code. The screen in Figure 3 is displayed.



« Figure 3 SE16N Selection Screen

This selection screen lists all of the possible selection fields by default. Select **EXTRAS • CHANGE SETTINGS** from the menu bar to display a list of user parameters. Type in your selection criteria and execute to display the screen in Figure 4.

Material	ValA	Val. Type	VTy	Total Stock	Total Value	Pr.	MwAvgPrice	Std price	per	ValCl
P-100	1000			9,889.000	6,896,105.93	S	4,755.50	6,903.70	10	7920
P-100	1300			0.000	0.00	S	683.51	593.32	1	7920

⤴ Figure 4 SE16N Results Screen

The **ALV grid** is displayed by default. This screen lets you easily sort, filter, sum, subtotal, hide and move columns, and export data to Excel.

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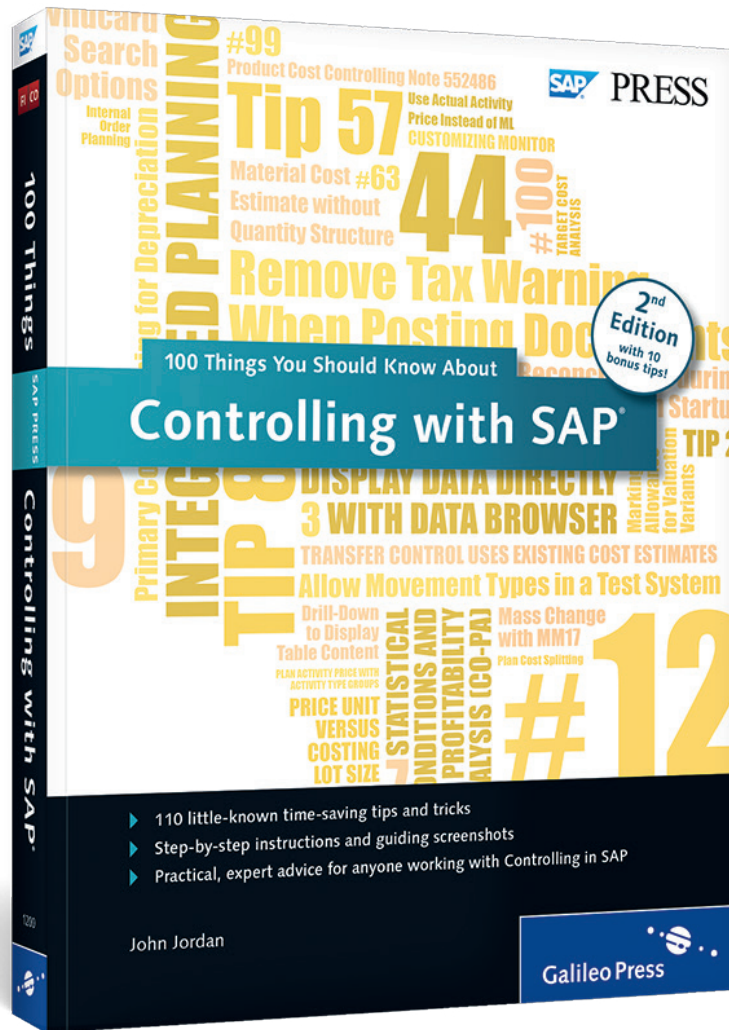
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John Jordan is the founder and principal consultant at ERP Corp. Clients gain transparency of production costs, resulting in increased efficiency and profitability with John's expert assistance. He regularly speaks at conferences and publishes articles, provides training sessions for clients, and is the author of *Production Variance Analysis in SAP* (2nd ed., 2011) and *Product Cost Controlling with SAP* (2nd ed., 2012), both SAP PRESS bestsellers. John is considered one of the leading experts in the SAP ERP Controlling component by clients and peers.

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