

Master Guide
SAP Flexible Solution Billing 1.0
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CUSTOMER

SAP Flexible Solution Billing 1.0

Typographic Conventions

Type Style	Description
<i>Example</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Textual cross-references to other documents.
Example	Emphasized words or expressions.
<code>EXAMPLE</code>	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, <code>SELECT</code> and <code>INCLUDE</code> .
Example	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
<code>EXAMPLE</code>	Keys on the keyboard, for example, <code>F2</code> or <code>ENTER</code> .

Document History

Version	Date	Change
1.0	2014-01-17	First release
1.1	2014-05-02	Updated with new delivery option on EHP7 for SAP ERP 6.0
1.2	2014-06-05	SAP Note 2006993 added
1.3	2015-09-18	SAP Note 2219050 added
1.4	2016-08-31	SAP Note 2344937 added
1.5	2017-06-16	SAP Note 1825544 added for data protection and privacy

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1 Getting Started

1.1 About This Document

Purpose

This master guide is the central starting point for the technical implementation of SAP Flexible Solution Billing 1.0. You can find cross-scenario implementation information as well as scenario-specific information in this guide.

Use this master guide to obtain an overview of SAP Flexible Solution Billing, its software units, and its scenarios from a technical perspective. The master guide is a planning tool that helps you to design your system landscape. This guide refers you to required detailed documentation, including the following:

- Installation guides for single software units
- SAP Notes
- Configuration documentation in SAP Solution Manager
- SAP Library documentation on the Help Portal

The master guide consists of the following main sections:

- [Getting Started](#)

This section explains how to use this document and provides related information (documentation and SAP Notes) that is crucial to the installation.

- [Overview](#)

This section provides essential information about the supported scenario, the installable software units, the software component matrix, and how to plan your system landscape for SAP Flexible Solution Billing.

- [Business Scenario for SAP Flexible Solution Billing](#)

This section contains information about the supported business scenario and business process. This section also provides links to the relevant configuration documentation that is provided via SAP Solution Manager.

- [Solution-Wide Topics](#)

This section provides information on the constraints involved when using SAP Flexible Solution Billing.

- [Security Considerations](#)

This section provides an overview of the security considerations that are specific to SAP Flexible Solution Billing.

- [References](#)

This section provides a list of all SAP Notes and of the documentation referred to in this guide.

- [Media List](#)

This chapter contains information about how the SAP Flexible Solution Billing software and documentation is shipped.

- [Release Availability Information](#)

This section contains a link to information about the available software releases, required base software, and related information about SAP Flexible Solution Billing.

Note

You can find the most current information about the technical implementation of SAP Flexible Solution Billing and the latest installation and configuration guides on SAP Service Marketplace at <http://service.sap.com/instguides>.

We strongly recommend that you use the documents available there, as these guides are updated regularly.

Constraints

- The business scenarios presented here serve as examples of how you can use SAP software in your company. The business scenarios are only intended as models and do not necessarily run in your customer-specific system landscape in the way they are described here. Be sure to check your requirements and systems to determine whether these scenarios can be used productively at your site. Furthermore, we recommend that you test these scenarios thoroughly in your test systems to ensure that they are complete and free of errors before going live.
- This master guide deals primarily with the overall technical implementation of SAP Flexible Solution Billing 1.0, rather than with its subordinate components. This means that additional software dependencies might exist although they are not mentioned explicitly in this document. You can find more information on component-specific software dependencies in the corresponding installation guides.

1.2 Related Information

1.2.1 Planning Information

For more information about planning topics not covered in this guide, see the following content on SAP Service Marketplace:

Content	Location on SAP Service Marketplace
Latest versions of installation and upgrade guides	http://service.sap.com/instguides
SAP Business Maps - information about applications and business scenarios	http://service.sap.com/businessmaps
Sizing, calculation of hardware requirements - such as CPU, disk and memory resource - with the Quick Sizer tool	http://service.sap.com/quicksizer
Released platforms and technology-related topics such as maintenance strategies and language support	http://service.sap.com/platforms To access the Platform Availability Matrix directly, enter http://support.sap.com/pam

Content	Location on SAP Service Marketplace
Network security	http://service.sap.com/securityguide
High Availability	http://scn.sap.com/docs/DOC-7848
Performance	http://service.sap.com/performance
Information about Support Package Stacks, latest software versions and patch level requirements	http://service.sap.com/sp-stacks
Information about Unicode technology	http://scn.sap.com/community/internationalization-and-unicode

1.2.2 Further Useful Links

The following table lists further useful links on SAP Service Marketplace:

Content	Location on SAP Service Marketplace
Information about reporting product errors	http://support.sap.com/incident
SAP Notes search	http://support.sap.com/notes
SAP Software Distribution Center (software download and ordering of software)	http://support.sap.com/swdc
SAP Online Knowledge Products (OKPs) – role-specific Learning Maps	http://service.sap.com/rkt

1.2.3 Related Master Guides

This master guide is based on master guides for cross-industry applications. You can find more information about the relevant applications in the following documents:

Title	Location
Full SAP ERP 6.0 Master Guide	http://service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP ERP</i> → <i>SAP ERP 6.0</i> → <i>Installation</i> → <i>Master Guide - SAP ERP 6.0</i>
Short EHP 6 Master Guide	http://service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP ERP</i> → <i>SAP ERP 6.0</i> → <i>SAP enhancement packages for SAP ERP 6.0</i> → <i>SAP enhancement package 6 for SAP ERP 6.0</i>

Title	Location
Master Guide for SAP Enhancement Package 8 for SAP ERP 6.0	http://service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP ERP</i> → <i>SAP ERP 6.0</i> → <i>SAP enhancement packages for SAP ERP 6.0</i> → <i>SAP enhancement package 8 for SAP ERP 6.0</i>
Master Guide for SAP Enhancement Package 7 for SAP ERP 6.0	http://service.sap.com/instguides → <i>SAP Business Suite Applications</i> → <i>SAP ERP</i> → <i>SAP ERP 6.0</i> → <i>SAP enhancement packages for SAP ERP 6.0</i> → <i>SAP enhancement package 7 for SAP ERP 6.0</i>

1.2.4 Related Operations Information

SAP Flexible Solution Billing 1.0 is based on an SAP NetWeaver 7.31 or 7.4, SAP ERP 6.0 system. The Web-based user interface for the solution runs with SAP NetWeaver Business Client 4.0.

Therefore, the general operations information for the following areas is covered in the operations guide for SAP ERP 6.0:

- Technical system landscape
- Overview of technical runtime scenarios, which result from setting up the corresponding business scenarios
- Monitoring concept
- Logging and tracing
- Technical configuration
- Backup and recovery
- Periodical tasks
- High availability concept
- Starting and stopping (by which means and in which sequence)
- Scenario administration concept (possible dependencies between scenario components)
- Concept for monitoring, error handling, restart and recovery of interfaces
- Concept for data archiving and management of outdated technical data
- Software change management
- Scenario maintenance concept
- Concept for handling customer development
- Support desk management
- Troubleshooting

You can find more information about the corresponding operations guides for SAP NetWeaver and SAP ERP 6.0 in the following table for the following enhancement packages:

Enhancement Package 8

Title	Location
Solution Operation Guide SAP ECC 6.0	http://service.sap.com/instguides <i>SAP Business Suite Applications → SAP ERP 6.0 → Operations</i>
Operations guides available for SAP NetWeaver 7.3	http://service.sap.com/installnw73 <i>SAP NetWeaver 7.3 → Operations</i>
Operations guides available for SAP NetWeaver 7.5	http://service.sap.com/installnw74 <i>SAP NetWeaver 7.5 → Operations</i>

Enhancement Package 7

Title	Location
Solution Operation Guide SAP ECC 6.0	http://service.sap.com/instguides <i>SAP Business Suite Applications → SAP ERP 6.0 → Operations</i>
Operations guides available for SAP NetWeaver 7.3	http://service.sap.com/installnw73 <i>SAP NetWeaver 7.3 → Operations</i>
Operations guides available for SAP NetWeaver 7.4	http://service.sap.com/installnw74 <i>SAP NetWeaver 7.4 → Operations</i>

For a complete list of the available SAP Operations Guides, see <http://service.sap.com/instguides>.

The operations information that is specific to this solution is included in the application help for SAP Flexible Solution Billing in the *Operations Information* section. The following topics are covered there:

- Data archiving
- Application log

For more information, see SAP Help Portal at <http://help.sap.com/fsb> → *Application Help* → *Operations Information*.

1.3 Important SAP Notes

You must read the following SAP Notes before you start the installation. These SAP Notes contain the most recent information on the installation, as well as corrections to the installation documentation.

Make sure that you have the up-to-date version of each SAP Note. You can find this on SAP Support Portal at <http://support.sap.com/notes>.

SAP Note Number	Title	Description
1930059	Release strategy of the ABAP Add-On SOLINVE	Add-on installation for SOLINVE 606
1999258	Release strategy of the ABAP Add-On SOLINVE 607	Add-on installation for SOLINVE 607

SAP Note Number	Title	Description
1952475	Additional indices on standard database tables for operating SAP Flexible Solution Billing	Additional indices are needed on standard database tables to operate SAP Flexible Solution Billing efficiently. This note describes in detail what is needed.
1952476	Requirements in output control for additional documents in SAP Flexible Solution Billing	For the additional documents in SAP Flexible Solution Billing, new requirements in the output control are needed for the settings in the invoice profile to take effect in the output determination.
1921074	Infrastructure in FI-CA core for SAP Flexible Solution Billing	Apply this note if you want to use the integration of SAP Convergent Invoicing with SD Billing Integration on the basis of EHP6.
1995728	Additional indices on standard database tables for operating SAP Flexible Solution Billing with Integration to Convergent Invoicing	This note is only valid from EHP7. Additional indices are needed on standard database tables to process CI billing documents in SAP Flexible Solution Billing processes via reference value storage in provider contracts. This note describes in detail what is needed.
1996273	Missing Customizing for Mass Activity CISD and Event 9400	This note is only valid for the integration of SAP Convergent Invoicing with SD Billing in EHP6.
1999331	Customizing activity "Specify Mode for Integrating CI with SD Billing" warns "Do not make any changes (SAP data)"	This note is only valid when integrating SAP Convergent Invoicing with SD Billing in EHP6.
2006993	Missing or wrong invoicing when posting and then cancelling sorted parked invoices containing CI billing document as source documents	This note corrects an error that occurs in the document flow when cancelling parked invoices containing CI billing documents. This note is relevant for EHP6 and EHP7.
2219050	What's New in SAP Flexible Solution 1.0	This note provides an overview of changes that have been

SAP Note Number	Title	Description
		made in SP01 and SP02 for SAP Flexible Solution Billing.
2344937	What's New in SAP Flexible Solution 1.0 with 607 SP03 and 608 SP00	This note provides an overview of changes that have been made in 607 SP03 and 608 SP00 for SAP Flexible Solution Billing.

You can find additional notes on SAP Support Portal when you search for the SD-BIL-IV-CB application area.

2 SAP Flexible Solution Billing Overview

2.1 Software Units of SAP Flexible Solution Billing

SAP Flexible Solution Billing 1.0 is an add-on that is based on SAP ERP 6.0 EHP 6 or EHP7 or EHP8

The basic functions constitute an alternative process for the creation of invoices in standard Billing in Sales and Distribution (SD-BIL-IV).

When integrating SAP Flexible Solution Billing with SAP Convergent Invoicing, it interfaces with the Billing component in Convergent Invoicing (FI-CA-BI).

2.2 Software Component Matrix

This section provides an overview of the software units used in each business scenario for SAP Flexible Solution Billing.

For the latest component version and patch level requirements, see <http://service.sap.com/sp-stacks>.

Software Component Matrix for SAP ERP 6.0 EHP 6

Business Scenario	Software Units		
	Key: X = mandatory (X) = optional		
	SAP ERP 6.0, EHP 6, (with EA-APPL 606, SAP APPL 6.06, FI-CA 606) SP6	SAP ERP 6.0, EHP 6, (with EA-APL 606, SAP APPL 6.06, FI-CA 606) SP6 with activation of FICAX business function set and /SOIN/CI_SD business function	SAP Flexible Solution Billing 1.0 (with SOLINVE 606)
Processing of Parked Invoices	X	-	X
Integration with SAP Convergent Invoicing	-	X	X

Software Component Matrix for SAP ERP 6.0 EHP7

Business Scenario	Software Units		
	Key: X = mandatory (X) = optional		
	SAP ERP 6.0, EHP 6, (with EA-APPL 607, SAP APPL 6.07, FI-CA 607) SP4	SAP ERP 6.0, EHP 7 (with EA-APPL 607, SAP APPL 6.07, FI-CA 607) SP4 with activation of FICAX business function set and /SOIN/CI_SD business function	SAP Flexible Solution Billing 1.0 (with SOLINVE 607)
Processing of Parked Invoices	X	-	X
Integration with SAP Convergent Invoicing	-	X	X

Software Component Matrix for SAP ERP 6.0 EHP8

Business Scenario	Software Units		
	Key: X = mandatory (X) = optional		
	SAP ERP 6.0, EHP 8, (with SAP APPL 6.08, FI- CA 608) SP00	SAP ERP 6.0, EHP 8 (with SAP APPL 6.08, FI- CA 608) SP00 with activation of FICAX business function set and /SOIN/CI_SD business function	SAP Flexible Solution Billing 1.0 (with SOLINVE 608)
Processing of Parked Invoices	X	-	X
Integration with SAP Convergent Invoicing	-	X	X

2.3 System Landscape

The system landscape required for SAP Flexible Solution Billing 1.0 is SAP ERP 6.0 with enhancement package 6, support package 6 or with enhancement package 7, support package 4.

If the integration with Billing in Convergent Invoicing in FI-CA is to be used, you must activate both the FICAX business function and the /SOIN/CI_SD business function.

 Caution

We strongly recommend that you use a minimal system landscape for test and demo purposes only. For performance, scalability, high availability, and security reasons, do not use a minimal system landscape as your production landscape.

2.4 Overall Implementation Sequence

Purpose

The following table describes the overall installation sequence for SAP Flexible Solution Billing 1.0. This table contains all available software units. However, to implement a specific scenario, you only need a subset of available software units. Some are only required for special processes. For information about which software is required to implement a specific scenario, see Software Component Matrix.

For the latest component version and patch level requirements, see <http://service.sap.com/sp-stacks>.

For documentation listed in the following table, see [References](#).

Process

Implementation Sequence

Step	Action [Required Documentation]	Remarks/Subsequent Steps
1	Installation of SAP Flexible Solution Billing Add-On [See SAP Note 1930059 for installation]	
2	<p>If you want to integrate SAP Convergent Invoicing with SD Billing, the following is required:</p> <ul style="list-style-type: none">• In EHP6, you must switch on the business function set <i>Contract A/R + A/P</i> (FICAX, <i>SAP Contract Accounts Receivable and Payable</i>) without the business functions FICAX_LEASING and FICAX_LEASING_CI_1.• In EHP7, you must switch on the following business functions:<ul style="list-style-type: none">◦ FICAX (<i>Contract A/R + A/P</i>)◦ FICAX_BILL_INVOICING (<i>Billing and Invoicing</i>)◦ FICAX_CONV_INVOICING (<i>FI-CA Convergent Invoicing</i>)• FICAX_INV_PP_3A (<i>Billing in Contract Accounts Receivable and Payable</i>, O2A) with all dependent business functions	<p>This is only necessary if SAP Convergent Invoicing shall be used as a source of billing-relevant data in addition to the data from Sales and Distribution.</p>

Step	Action [Required Documentation]	Remarks/Subsequent Steps
	<p>For the integrated scenario in EHP7 with SAP CRM in SAP Solution Sales and Billing, you must activate the following business function:</p> <ul style="list-style-type: none"> o FICAX_SOLSALESBILL <i>SAP Solution Sales and Billing</i> in the FICAX business function set • The business function <i>Integrating Billing in Convergent Invoicing in FI-CA with SD Billing (Reversible)</i> (/SOIN/CI_SD) must also be switched on. <p>[SAP Switch Framework (SAP Menu: <i>Tools</i> → <i>ABAP Workbench</i> → <i>Development</i> → <i>Switch Framework</i>, transactions <i>SFW3/SFW2</i>); see also the section <i>Integration with SAP Convergent Invoicing</i> in the application help for SAP Flexible Solution Billing]</p>	
3	<p>Run the /SOIN/R_CHECK_AFTER_UPGRADE report to check the new database structures in SAP Flexible Solution Billing for consistency.</p> <p>[See report documentation and the constraints regarding active business functions in Section 4.1]</p>	<p>Conflicts might occur if certain business functions are activated in your system or customer enhancements were made. However, these issues can be resolved manually.</p>
4	<p>Create number range intervals for the new objects in SAP Flexible Solution Billing.</p> <p>[See the configuration information in SAP Solution Manager]</p>	
5	<p>For high-performance operation of SAP Flexible Solution Billing, additional indices on the standard database tables for SD document headers and invoice headers are needed.</p> <p>[See SAP Note 1952475]</p>	
6	<p>For high-performance operation of SAP Flexible Solution Billing integrating with Convergent Invoicing, additional indices on the standard database tables for SD document headers and invoice headers are needed.</p> <p>[See SAP Note 1995728]</p>	
7	<p>When using SAP Flexible Solution Billing integrating with Convergent Invoicing in EHP6 the following notes need to be applied for corrections concerning customizing activities</p> <p>[See SAP Note 1999331]</p>	<p>This is only relevant when using SAP Flexible Solution Billing integrating with Convergent Invoicing in EHP6</p>
8	<p>Make settings in Customizing for SAP Flexible Solution Billing.</p>	

Step	Action [Required Documentation]	Remarks/Subsequent Steps
	[SAP Customizing Implementation Guide (transaction code <i>SPRO</i>) under <i>Sales and Distribution</i> ® <i>SAP Flexible Solution Billing</i> (transaction code / <i>SOIN/IMG</i>)]	
9	When using SAP Flexible Solution Billing integrating with Convergent Invoicing in EHP6 the following notes need to be applied for missing delivery customizing [See SAP Note 1996273]	This is only relevant when using SAP Flexible Solution Billing integrating with Convergent Invoicing in EHP6
10	Establish the connection to SAP NetWeaver Business Client.	

3 Business Scenario for SAP Flexible Solution Billing

Overview

The underlying business scenario for SAP Flexible Solution Billing serves to augment the periodic billing process in SAP Sales and Distribution (SD). Internal data from SD Billing is collected for billing in specified billing cycles. Billing data from other SAP applications, external SAP systems, and other legacy systems can be integrated into the unified billing process in this scenario. To the greatest extent possible, internal billing data can be combined with external billing data to create one legal invoice.

Using invoice groups, you can automatically group together billing documents that are to be processed in one billing period. Billing documents are assigned to invoice groups using customer-defined reference values. In each invoice group, an invoice package bundles together the parked invoices created in one billing cycle.

You create parked invoices before legal invoices are created. This intermediate step in the billing process makes it possible to combine, as far as possible, invoice data created at different times and originating from different applications or systems. The parking phase also allows you to manually select the items to be parked and modify the content and format of invoices before the posting of legal invoices. An optional approval process at invoice and/or invoice item level can also be performed at this point in processing.

You can create format settings for splitting, sorting, and print forms and assign them flexibly based on sales organization, customer, and invoice group, as required. Invoice overviews and invoice itemizations, which are additional, non-legal documents, are available to provide supplemental information about posted invoices.

You can also create format settings for invoice splitting, the sorting of invoice items, and the output form of invoice documents. Invoice overviews and invoice itemizations, which are additional, non-legal documents, can be created to provide supplemental information about the final legal invoices.

SAP Flexible Solution Billing also makes it possible to integrate with SAP Convergent Invoicing (CI). High-volume, aggregated consumption billing data can be transferred from CI for subsequent invoice processing using standard SAP SD Billing or SAP Flexible Solution Billing which also allows payment card processing for consumption billing data. As a result, you can utilize the pre-processing and billing structures for consumption data that are available in SAP Accounts Receivable and Payable (FI-CA), but then complete the invoicing in SD and the accounting process in Accounts Receivable (FI-AR).

SAP Flexible Solution Billing also makes it possible to integrate SAP Convergent Invoicing (CI) with Accounts Payables for scenarios where the partner settlement has to be done. You can utilize the pre-processing and billing structures for consumption data that are available in SAP Contract Accounts Receivable and Payable (FI-CA), after you have complete the invoicing and the accounting process in Accounts Payables (FI-AP).

Further Information

The following documents provide more information about SAP Flexible Solution Billing.

Content	Location
Scenario Description	See the SAP Solution Manager documentation on SAP Service Marketplace at http://service.sap.com/instguides under <i>Focused Business Solutions</i> → <i>SAP Flexible Solution Billing</i> .
Configuration Documentation	See the SAP Solution Manager documentation on SAP Service

Content	Location
	Marketplace at http://service.sap.com/instguides under <i>Focused Business Solutions</i> → <i>SAP Flexible Solution Billing</i> .

4 Solution-Wide Topics

4.1 Constraints

General

- Information Lifecycle Management (ILM) is not supported in archiving for the new objects in SAP Flexible Solution Billing 1.0.
- For more information about required number ranges for the new objects of SAP Flexible Solution Billing, see the documentation in SAP Solution Manager.
- No cross-system testing was performed for SAP Flexible Solution Billing 1.0, meaning that neither SAP CRM nor SAP Convergent Charging has been tested with this release.

Basic functions

- The Web-based user interface of SAP Flexible Solution Billing 1.0 is optimized for running on SAP NetWeaver Business Client 4.0, using the Corbu design theme.
- Testing of SAP Flexible Solution Billing 1.0 was performed without the activation of any additional business functions, with the exception of the business functions necessary for the integration of SAP Convergent Invoicing with SD Billing.

In most cases, it is expected that the functionality behind business functions can be activated easily by simple enhancement of the relevant new database structures. However, the proper working of the functionality behind business functions cannot be guaranteed by SAP Flexible Solution Billing and therefore must be tested separately.

- SAP Flexible Solution Billing 1.0 has not been tested for any country versions and does not take into account any special localization aspects.

Nevertheless, as basic SD Billing functionality has been re-used, it is expected that most localization functionality will also run with the new process variant of SAP Flexible Solution Billing. However, the proper working of the functionality behind business functions cannot be guaranteed by SAP Flexible Solution Billing and therefore must be tested separately.

- If customer enhancements in the area of SD Billing have been made, either on the database structures or in terms of functionality (user exits, data transport routines, modifications, etc.), a thorough check must be performed to ensure that these enhancements still work properly when using SAP Flexible Solution Billing.

Integration of SAP Convergent Invoicing with SD Billing

- The integration of SAP Convergent Invoicing with SD Billing can only be used as part of SAP Solution Sales and Billing.
- You must activate the FICAX business function set in order to integrate SAP Convergent Invoicing with SD Billing. This implies that no other business function set can be active in the system.
- As no cross-system testing was performed, the master data (customer business partner, contract account, invoicing product, provider contract) was only created manually.
- As no cross-system testing was performed, the consumption data was only created manually in SAP Convergent Invoicing.

-
- In SAP Flexible Solution Billing 1.0, invoicing in Convergent Invoicing and in SD Billing cannot be used in parallel.
 - In SAP Flexible Solution Billing 1.0, the SD invoices are not integrated into the monitoring functions available for Convergent Invoicing.
 - When using SAP Flexible Solution Billing, taxes must be calculated in SD.
 - In SAP Flexible Solution Billing, currencies used in CI billing documents may not be longer than 13 digits in the smallest unit of currency. Although 15 digits are supported by CI as currency fields, SD only supports a 13-digit currency field for the smallest unit of currency.

Integration of SAP Convergent Invoicing with Accounts Payable (AP) for Partner Settlement

- The integration of SAP Convergent Invoicing with Accounts Payable can only be used as part of SAP Solution Sales and Billing.
- You must activate the FICAX business function set in order to integrate SAP Convergent Invoicing with Accounts Payable. This implies that no other business function set can be active in the system.
- In SAP Flexible Solution Billing 1.0, the AP documents are not integrated into the monitoring functions available for Convergent Invoicing.
- When using SAP Flexible Solution Billing for Partner Settlement, the taxes must be calculated in AP.
- In SAP Flexible Solution Billing, reversal of AP document or AP Vendor Invoice, which was created for a partner CI billing document, does not cancel any item/s in the parked invoice or legal invoice created out of the related customer CI billing document as the posting and clearing in FI-AR would have already happened.
- In SAP Flexible Solution Billing, reversal of Parked Invoice or a Legal Invoice which was created from SAP Flexible Solution Billing does not reverse the AP document for the related partner CI billing document as the clearing in FI-AP would have already happened.

5 Security Considerations

This section provides an overview of the security considerations that are specific to SAP Flexible Solution Billing 1.0. The solution can run on SAP NetWeaver 7.31 with SAP ERP 6.0 EHP 6 system or on SAP NetWeaver 7.4 with SAP ERP 6.0 EHP 7. Therefore, the corresponding security settings for this ERP release also apply to SAP Flexible Solution Billing.

5.1 Fundamental Security Guides

For a complete list of the available SAP security guides, see SAP Security Guides on SAP Service Marketplace at <http://service.sap.com/securityguide>. The current version of the SAP NetWeaver security guide, which deals with general security issues, is also available via this quick link.

Additional Information

For more information about specific security topics, see the following locations on SAP Service Marketplace as shown in the table below:

Content	Location
Security	http://service.sap.com/security
Security Guides	http://service.sap.com/securityguide
Released Platforms	http://service.sap.com/platforms
Network Security	http://service.sap.com/securityguide
Infrastructure Security	http://service.sap.com/securityguide
SAP Solution Manager	http://support.sap.com/solutionmanager

5.2 Authorization Objects

SAP Flexible Solution Billing allows you to make specific authorization settings. For example, you can specify who shall be allowed to work with invoice groups or perform tasks related to the integration with SAP Convergent Invoicing (CI).

The following sections provide information about the individual authorization objects used.

5.2.1 Authorization Objects for Basic Functions

Authorization Object /SOIN/FUNC

This authorization object is used to control access to functionality for SAP Flexible Solution Billing.

Value of Field /SOIN/FUNC	Activity
Invoice groups	Create, Display, Change, Archive
Invoice packages	Create, Display, Change, Archive
Parked invoices	Create, Display, Delete
Reference documents	Display
Format settings	Display, Maintain, Delete
External Due list	Create, Display, Delete, Administer

Additionally, the "Administer" activity can be used to allow specific super users to edit and approve invoice packages even if they are not assigned as an owner or approver for an invoice group.

5.2.2 Authorization Objects for Integration with SAP Convergent Invoicing

Authorization Object /SOIN/CISD

This authorization object is used to control access to functionality for integrating SAP Convergent Invoicing (CI) with SAP SD Billing with the activities "Create", "Simulate", and "Archive".

5.3 Data Protection and Privacy

Data protection is associated with numerous legal requirements and privacy concerns. In addition to compliance with general data privacy acts, it is necessary to consider compliance with industry-specific legislation in different countries. SAP provides specific features and functions to support compliance with the relevant legal requirements and data privacy. SAP does not give any advice on whether these features and functions are the best method to support company, industry, regional or country-specific requirements. Furthermore, this information does not give any advice or recommendations with regard to additional features that would be required in a particular environment; decisions related to data protection must be made on a case-by-case basis and under consideration of the given system landscape and the applicable legal requirements.

Note

In most cases, compliance with data privacy laws is not a product feature.

SAP software supports data privacy by providing security features and specific data-protection-relevant functions such as functions for the simplified blocking and deletion of personal data.

SAP does not provide legal advice in any form. The definitions and other terms used in this guide are not taken from any given legal source.

5.3.1 Deletion of Personal Data

SAP Flexible Solution Billing might process data (personal data) that is subject to the data protection laws applicable in specific countries as described in SAP Note [1825544](#).

To enable even complex scenarios, SAP simplifies existing deletion functionality to cover data objects that are personal data by default. For this purpose, SAP uses *SAP Information Lifecycle Management* (ILM) to help you set up a compliant information lifecycle management process in an efficient and flexible manner. The functions that support the simplified blocking and deletion of personal data are not delivered as a big bang implementation but in several waves. Scenarios or products that are not specified in the notes [1825608](#) (central Business Partner) and [2007926](#) (ERP Customer and Vendor) are so far not subject of simplified blocking and deletion. Nevertheless, it is also possible to destroy personal data for these scenarios or products. In these cases, you must use existing archiving or deletion functionality or implement an individual retention management of relevant business data along its entire lifecycle. The SAP Information Lifecycle Management (ILM) component supports the entire software lifecycle including the storage, retention, blocking, and deletion of data.

SAP Flexible Solution Billing uses SAP ILM to support the deletion of personal data as described in section: End of Purpose Check (EoP).

SAP Flexible Solution Billing registers an end of purpose check (EoP) in the Customizing settings for the blocking and deletion of the customer and vendor master. For information about the Customizing of blocking and deletion for Flexible Solution Billing see note [2465141: Deletion and Blocking of Customer in Flexible Solution Billing \(FSB\)](#).

End of Purpose Check (EOP)

An end of purpose check determines whether data is still relevant for business activities based on the retention period defined for the data. The retention period of data consists of the following phases:

- Phase one: The relevant data is actively used.
- Phase two: The relevant data is actively available in the system.
- Phase three: The relevant data needs to be retained for other reasons.

For example, processing of data is no longer required for the primary business purpose, but to comply with legal rules for retention, the data must still be available. In phase three, the relevant data is blocked.

Blocking of data prevents the business users of SAP applications from displaying and using data that may include personal data and is no longer relevant for business activities.

Blocking of data can impact system behavior in the following ways:

- Display: The system does not display blocked data.
- Change: It is not possible to change a business object that contains blocked data.
- Create: It is not possible to create a business object that contains blocked data.
- Copy/Follow-Up: It is not possible to copy a business object or perform follow-up activities for a business object that contains blocked data.
- Search: It is not possible to search for blocked data or to search for a business object using blocked data in the search criteria.

It is possible to display blocked data if a user has special authorization; however, it is still not possible to create, change, copy, or perform follow-up activities on blocked data.

For information about the configuration settings required to enable this three-phase based end of purpose check, see *Process Flow* and note [1825544 Configuration: Simplified Blocking and Deletion](#).

6 References

List of Documents

The following table lists all documents that are referred to in this master guide:

Resource	Location
Customizing for <i>SAP Flexible Solution Billing</i>	To access the Customizing structure in the system, use the transaction code <code>/SOIN/IMG</code> . Alternatively, you can access the Customizing structure using the transaction <code>SPRO</code> → <i>SAP Customizing Implementation Guide</i> → <i>Sales and Distribution</i> → <i>SAP Flexible Solution Billing</i> .
Application help	To access the application help for SAP Flexible Solution Billing 1.0, go to SAP Help Portal at http://help.sap.com/fsb and choose <i>Application Help</i> .
Configuration information	You can access the configuration documentation in your SAP Solution Manager system.
Master Guide	You can access the latest version of this guide on SAP Service Marketplace at http://service.sap.com/instguides → <i>Focused Business Solutions</i> → <i>SAP Flexible Solution Billing</i> .

List of SAP Notes

The following table lists all SAP Notes mentioned in this master guide.

SAP Note Number	Title	Description
1930059	Release strategy of the ABAP Add-On SOLINVE	Add-on installation for SOLINVE 606
1999258	Release strategy of the ABAP Add-On SOLINVE 607	Add-on installation for SOLINVE 607
1952475	Additional indices on standard database tables for operating SAP Flexible Solution Billing	Additional indices are needed on standard database tables to operate SAP Flexible Solution Billing efficiently. This note describes in detail what is needed.

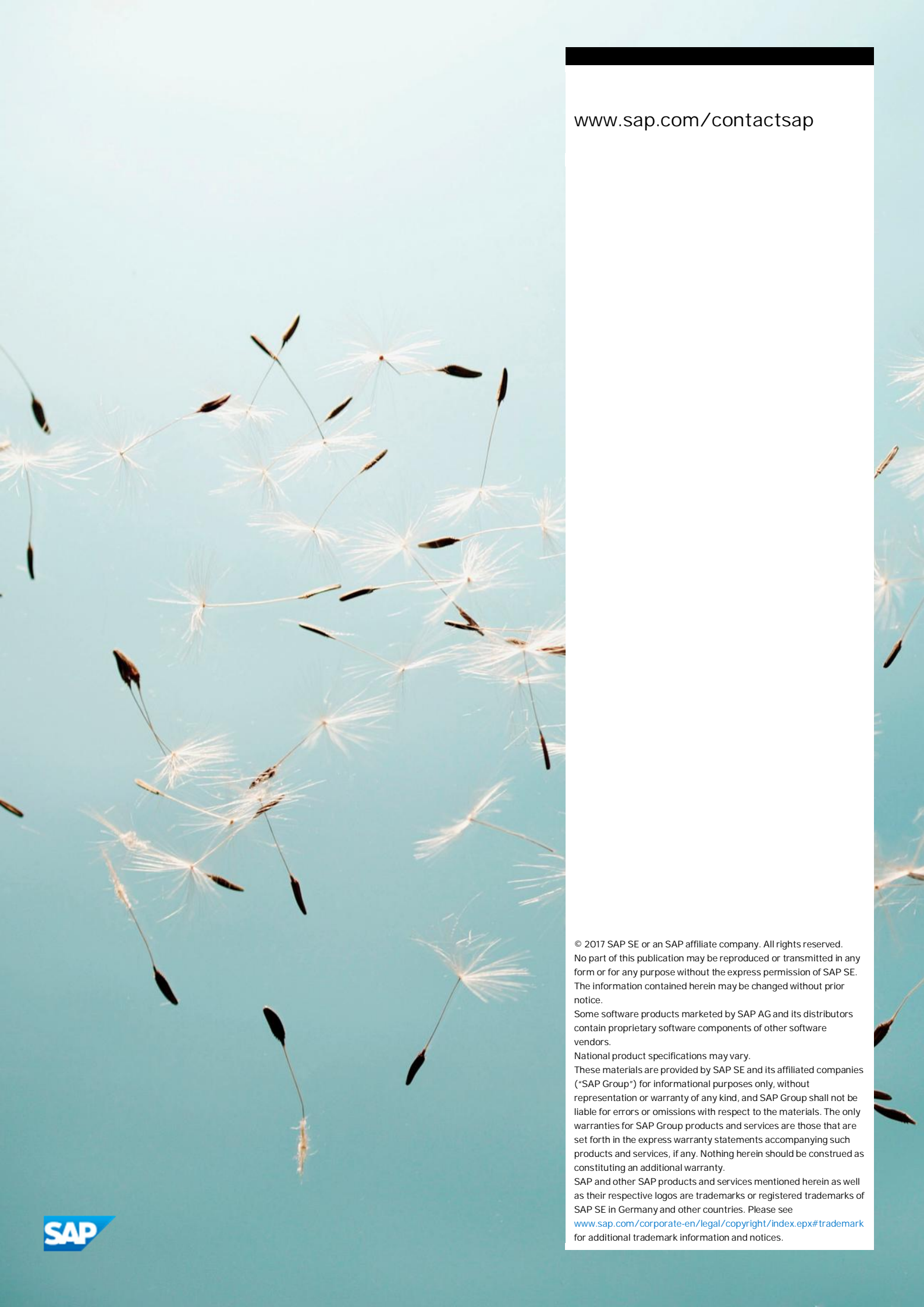
SAP Note Number	Title	Description
1952476	Requirements in output control for additional documents in SAP Flexible Solution Billing	For the additional documents in SAP Flexible Solution Billing, new requirements in output control are needed if the settings in the invoice profile shall take effect in the output determination.
1921074	Infrastructure in FI-CA core for SAP Flexible Solution Billing	Apply this note if you want to use the integration of SAP Convergent Invoicing with SD Billing Integration on the basis of EHP 6.
1995728	Additional indices on standard database tables for operating SAP Flexible Solution Billing with Integration to Convergent Invoicing	This note is only valid from EHP 7. Additional indices are needed on standard database tables to process CI billing documents in SAP Flexible Solution Billing processes via reference value storage in provider contracts. This note describes in detail what is needed.
1996273	Missing Customizing for Mass Activity CISD and Event 9400	This note is only valid for the integration of SAP Convergent Invoicing with SD Billing in EHP6.
1999331	Customizing activity "Specify Mode for Integrating CI with SD Billing" warns "Do not make any changes (SAP data)"	This note is only valid when integrating SAP Convergent Invoicing with SD Billing in EHP6.
2006993	Missing or wrong invoicing when posting and then cancelling sorted parked invoices containing CI billing document as source documents	This note corrects an error that occurs in the document flow when cancelling parked invoices containing CI billing documents. This note is relevant for EHP 6 and EHP7.
2219050	What's New in SAP Flexible Solution 1.0	This note provides an overview of changes that have been made in SPO1 and SPO2 for SAP Flexible Solution Billing.
2344937	What's New in SAP Flexible Solution 1.0 with 607 SPO3 and 608 SPO0	This note provides an overview of changes that have been made in 607 SPO3 and 608 SPO0 for SAP Flexible Solution Billing.

7 Media List

All SAP Flexible Solution Billing deliverables are shipped electronically. The software and documentation download package is available on SAP Service Marketplace at <http://support.sap.com/swdc> → *Installation and Upgrades* → *A - Z Index*.

8 Release Availability Information

For more information about currently available releases for SAP Flexible Solution Billing and the SAP standard software required to install and use the solution, see SAP Service Marketplace at <http://www.service.sap.com/fbs/availability>.



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