

# **SAP Golden Tax Interface Configuration Book**



Version	Status	Date
2.0		2013.07

**SAP Globalization Service**

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## 1. Organization

### 1.1 Document Administration

#### History

Date	Version	Chapter	Name	Change/Enhancement	Agreed with
2013.05	1.0				
2013.07	2.0				

### 1.2 Intended Group of Readers

### 1.3 Abbreviations

Term	Definition
GTI	Golden Tax Interface

## 2. Getting Started

This section contains information about the scope of this document and about each section in the document.

The content of the document is subjected to be changed depends on needs.

This SAP Standard Solution Configuration Documentation provides a central starting point for the technical implementation and configuration of the SAP Standard Solution.

It contains all activities for configuration of the SAP Standard Solution.

The SAP Standard Solution consists of the following business scenarios:

- Creation of Outbound Files  
You can create the required list of invoices in plain text format (files SJK0101 and SJK0201) and store it on your local computer. You can then upload the file to the Golden Tax system.
- Upload of Inbound Files  
You can upload the files received from the Golden Tax System and update the SAP system whenever this is necessary. You can upload the inbound files using the text file or the excel template (Shanghai and Beijing).
- Golden Tax Invoice Lists  
You can generate the list of invoices for which the Golden Tax System has issued official invoice numbers.
- Define Customer Types  
You run the Set Customer Type (GT\_CUS) transaction to assign a customer type (a general taxpayer or an ordinary taxpayer) to a specific group of customers.

To facilitate the implementation process, all information within this document is ordered by scenario. You can choose from several generic business scenarios and find all information that is relevant for the technical implementation and configuration of a specific business scenario.

This Configuration Documentation provides information about the components and guides that are required during the implementation process.

## 2.1 Versions and Prerequisites

- You have installed the following components as of the version mentioned:

Type of Component	Component	Required for the Following Features Only
Software Component	SAP_APPL 606 Support Package 05 and above	
Software Component	EA-APPL 606 Support Package 05 and above	

### 3 Basic Settings

#### 3.1 Activate Business Functions

The Business Function in SAP systems is inactive by default. It requires to be activated before you can use the backend configuration and foreground operations of Golden Tax Interface.

The latest version of GTI has three business functions: **FIN\_LOC\_CI\_1**, **FIN\_LOC\_CI\_9** and **FIN\_LOC\_CI\_26**. You can use T-Code **SFW5** to activate them one by one.

1. Enter transaction code **SFW5**. Expand the context **ENTERPRISE\_BUSINESS\_FUNCTIONS** firstly.

Business Function Set					
Name	Description	Planned Status	Dep...	Addi...	Doc...
ENTERPRISE_EXTENSIONS	Enterprise Extensions				
ENTERPRISE_BUSINESS_FUNCTIONS	Enterprise Business Functions				
BCV/MAIN	FND, Business Context Viewer Main Applic...	Business func. will remain switche...	?	?	?
BEV1/ARC	Archiving for Pendulum List, Empties, Retu...	Business func. will remain switche...	?	?	?
BEV1/NE_ENH	Functional Improvements in MM for EM an...	Business func. will remain switche...	?	?	?
DSD/ARC	Archiving for Direct Store Delivery	Business func. will remain switche...	?	?	?
DSD/BF	Direct Store Delivery Process Improvements	Business func. will remain switche...	?	?	?
DSD/DEX	Data EXchange Enablement for DSD	Business func. will remain switche...	?	?	?
DSD/OCS	Occasionally-Connected DSD Scenarios: AT...	Business func. will remain switche...	?	?	?
IBS/EAFS_RBD_BUSOPR	SAP RBD: Business Operations in Reserve f...	Business func. will remain switche...	?	?	?
IBS/EAFS_RBD_BUSOPR5	SAP RBD: Business Operations in Reserve f...	Business func. will remain switche...	?	?	?
I/PRO/FND_DOCUMENT_BUILDER	SAP Document Builder	Business func. will remain switche...	?	?	?
KYK/GEN_AIO_SIMPLIFICATION	SAP All-In-One Roles	Business func. will remain switche...	?	?	?
PLMU/COEX_IPPE_BOM	PLM Coexistence IPPE BOM	Business func. will remain switche...	?	?	?
PLMU/GSS_E2M	Synchronization of EBOM with MBOM	Business func. will remain switche...	?	?	?
PLMU/IPPE_INT	PLM IPPE Integration	Business func. will remain switche...	?	?	?
PLMU/IPPE_INT_2	PLM, Product Structure and Assembly Man...	Business func. will remain switche...	?	?	?
PLMU/PI_BCV	PLM, Product Intelligence with Business C...	Business func. will remain switche...	?	?	?
PLMU/RCP_1	Recipe Development in PLM Web UI	Business func. will remain switche...	?	?	?

2. Select the search button, input **FIN\_LOC\_CI\_1**, and you can see the business function **FIN\_LOC\_CI\_1**, right click this context and activate it.

Business Function Set			
Name	Description	Planned Status	Dep..
FIN_GL_REORG_1	FI-GL (New), Profit Center Reorganization ...	Business func. will remain switche...	
FIN_INHOUSE_CASH_1	FIN In-House Cash Module Enhancements	Business func. will remain switche...	
FIN_LOC_CI_1	Non-HCM Localization Topic	Business func. will remain switche...	
FIN_LOC_CI_10	FI, LO, Interest on Arrears Localization To...	Business func. will remain switche...	
FIN_LOC_CI_11	FI, Localiz. for China, Saudi Arabia, United ...	Business func. will remain switche...	
FIN_LOC_CI_13	FI, Localization for China	Business func. will remain switche...	
FIN_LOC_CI_16	FI, Electronic Payment Integration for Chin...	Business function (reversible) will ...	
FIN_LOC_CI_19	FI, LO Localization Topics for Russia 3 (Re...	Business function (reversible) will ...	
FIN_LOC_CI_2	FI Localization Topics for Japan and Portugal	Business func. will remain switche...	
FIN_LOC_CI_21	RE-FX, Parallel Adjustment of Conditions fo...	Business func. will remain switche...	
FIN_LOC_CI_22	RE-FX, Localization of Cadastral Master Dat...	Business func. will remain switche...	
FIN_LOC_CI_26	Golden Tax Interface for China	Business func. will remain switche...	

3. Activate the other 2 business functions: **FIN\_LOC\_CI\_9** and **FIN\_LOC\_CI\_26** as well.

### 3.2 Activate Service

1. Enter transaction code **SICF**. Enter **APP\_IDGT** in the text-field of Service Name, and click **execute**.

**Maintain Services**

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	
Service Name	APP_IDGT
Reference Service	
Description	
Language	English

Filter for Detail Information

Created By		
Created On		to
Last Changed By		
Changed On		to

2. Find **APP\_IDGT** in the tree list of column **Virtuelle Hosts/ Services** and right click at it. Select **Activate Service**.

**Maintain service**

Create Host/Service External Alases System Monitor Active

Filter Details

Virtual Host		Service Path	
ServiceName	APP_IDGT		
Description			
Lang.	English	Ref.Service:	

Apply Reset Fine-Tune

Virtuelle Hosts / Services	Documentation	Referenz Service
default_host	VIRTUAL DEFAULT HOST	
sap	SAP NAMESPACE; SAP IS OBLIGED NOT T...	
bc	BASIS TREE (BASIS FUNCTIONS)	
webdynpro	Web Dynpro (WD) Runtime	
sap	NAMESPACE SAP	
APP_IDGT	GTLCheer-ERM-Application	

Context Menu for APP\_IDGT:

- New Sub-Element
- Display Service
- Delete Service
- Rename Service
- Activate Service**
- Deactivate Service
- Test Service
- Test Load Balancing
- References to Service
- Obj. Directory Entry
- Cut
- Copy
- Paste

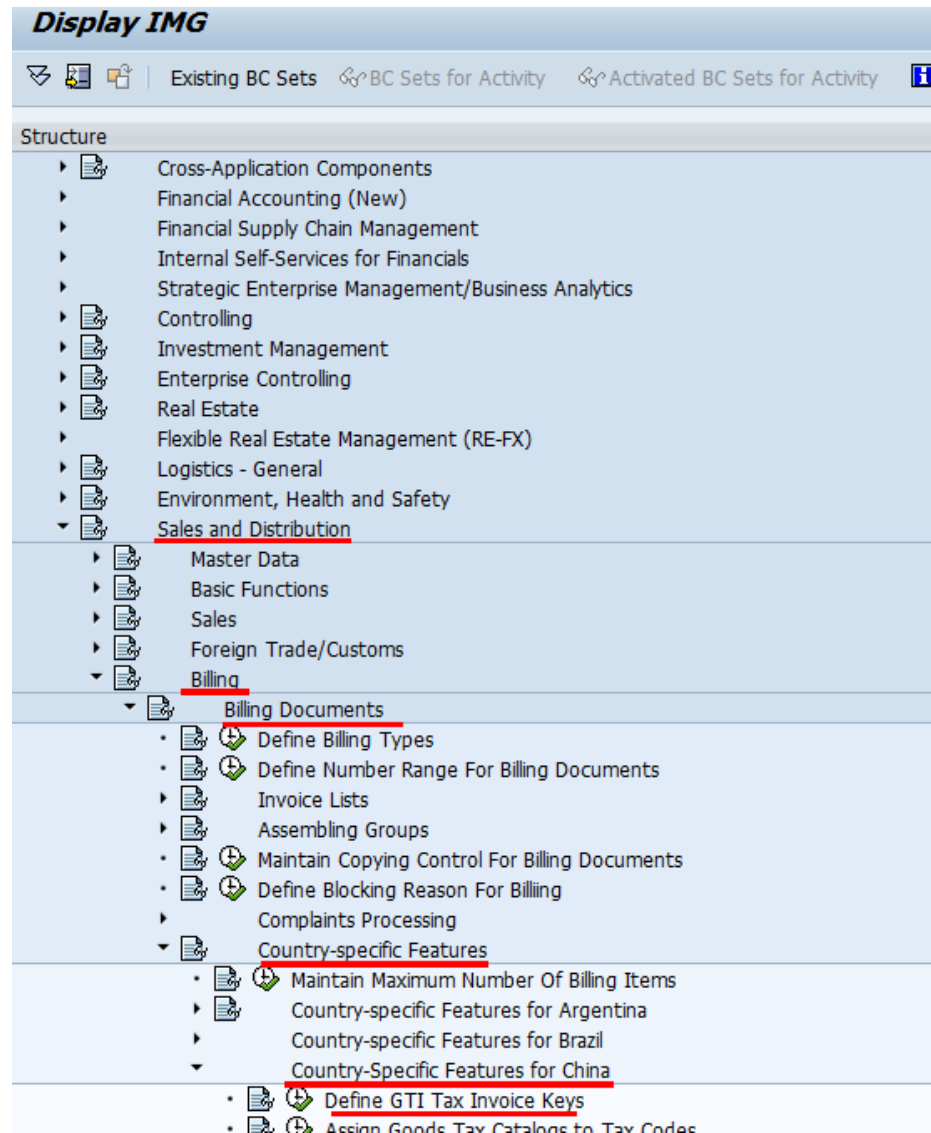
### 3.3 Define GTI Tax Invoice Key

1. Follow the path to define GTI Invoice Key:

Transaction code **SPRO**.

You can find it in Customizing for Sales and Distribution, under

**IMG -> Sales and Distribution -> Billing -> Billing document -> Country-specific Features  
-> Country-specific Features for China -> Define GTI Tax Invoice Keys**





2. You could set different conditions to each key:

**Display View "Define GTI Tax Invoice Keys": Overview**

Define GTI Tax Invoice Keys

TInv.	Description
BIN	test by bin
JAME	TEST BY JAMES
S4	1000000.00
SD	Direct connect
SHG	for testing
TONG	100
WIX	200

**Change View "Define GTI Tax Invoice Keys": Details**

New Entries

Tax Invoice Key: SHG

Define GTI Tax Invoice Keys

Line Item Limit	4
Net Value	100.000,00
Currency	CNY
Transfr Typ	Text File
Rounding Diff.	0,008
Follow-up Action	Proceed with item split(part quantity to lines)
Combine Flag	Positive billing and negative billing combined automatically
Desc.	Shanghai office

- **Line Item Limit:** Specifies the maximum number of line items that an invoice can have. When an invoice contains more line items than the number that is specified in this field, the Creation of Outbound File for Golden Tax Interface (China) report generates multiple invoices and each invoice includes the specified number of line items. The Golden Tax System generates a sales list when the line items of an invoice exceed the maximum number of line items specific to the version of Golden Tax System. If you want Golden Tax System to generate a sales list that includes all line items from a billing document, you can leave the field empty.
- **Net Value:** Specifies the maximum total amount for one invoice, as defined by law in China. When you create an invoice and its total amount exceeds the value that you enter in this field, the system automatically calculates how many invoices should be created and splits up the total amount accordingly.

- **Currency:** Defines the Currency key for amounts in the system.
- **Transfer Type:** text/excel/online integration defines the file type for the outbound files and inbound files.
- **Rounding Diff.:** In some cases, the tax amount of Line items does not exactly equal to the real tax, which is rounding difference between the system calculated value and the real value. When we processed the tax amounts of each line item, it will be rounded down and we will sum up the difference. As local taxation bureau will set a distinct limitation to that sum imbalance, we will distribute the total difference to other lines to avoid being rejected by this limitation. The limit rounding difference value can be set in this field.
- **Follow-up Action:** There are two possible choices in the 'follow-up action' of the Tax Invoice Keys setting view, 'Proceed with item spilt(part quantity to lines)' and 'Proceed with item spilt(keep quantity as 1 for lines)'.  
If 'Proceed with item spilt(part quantity to lines)' is chosen, the items will be spilt by net value and the 'Billing Quantity' will be spilt to decimal directly.  
If 'Proceed with item spilt(keep quantity as 1 for lines)' is chosen, the items will be spilt by net value as well. But the 'Billing Quantity' will keep 1 as the minimum unit.  
Then a risk occurs for keeping 1 as the minimum unit. The total billing quantities may be more than the actual quantity, which should be carefully considered before you select the spilt options.
- **Combine Flag:** You can specify the default settings for combining the positive billing documents and the negative billing documents in this field. We recommend you to set the value as '1'(Allowed to combine) if it is allowed by tax bureau. It will influence the performance if you set it as '2'(Combine automatically).
- **Desc:** For description.

### 3.4 Assign Goods Tax Catalogs to Tax Codes

1. Follow the path to assign goods tax catalogs to tax codes:

Transaction code **SPRO**.

You can find it in Customizing for Sales and Distribution, under

**IMG -> Sales and Distribution -> Billing -> Billing document ->Country-specific Features  
-> Country-specific Features for China -> Assign Goods Tax Catalogs to Tax Codes**

2. Assign tax catalogs to tax codes.

The tax catalog of a billing item is retrieved by its material number and tax code.

If the material is not set in this configuration, the tax catalog will be retrieved by Tax Code only.

**Change View "Tax Catalog Code (China)": Overview**

New Entries

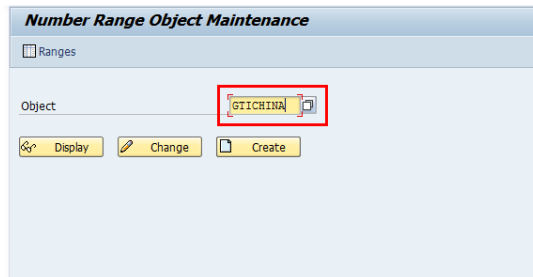
Tax Catalog Code (China)			
	T...	Tax Rate	Material N... Ta...
	X1	7	5005
	X2	0,13	5001
	X2	0,13	5006
	X3	0,00	5006

### 3.5 Define Number Range

#### a) Define Number Range for Object GTICHINA

**NOTE:** Please make sure there will be no overlap between this number range and the number range of billing documents.

1. Define number range for a new year by transaction code: **SNRO**.
2. Enter the object name: **GTICHINA** and click **change**.

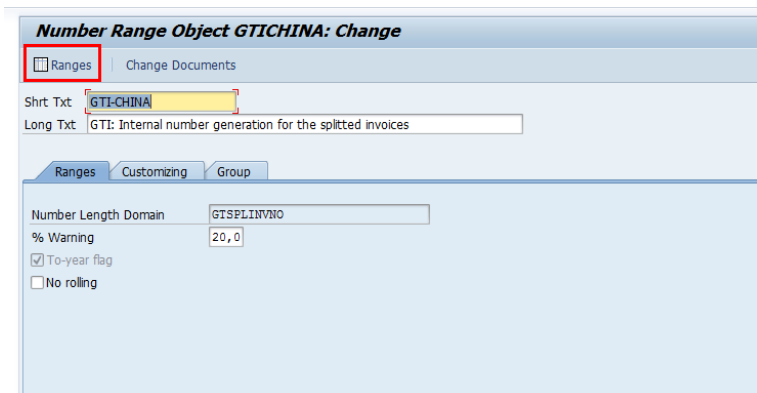


**Number Range Object Maintenance**

☐ Ranges

Object: **GTICHINA**

3. Select the **Ranges** button to create a new number range.



**Number Range Object GTICHINA: Change**

☐ Ranges

Short Txt: **GTI-CHINA**

Long Txt: GTI: Internal number generation for the splitted invoices

Number Length Domain: GTSP LINVN0

% Warning: 20,0

☒ To-year flag

☐ No rolling

4. Select the **Intervals** button.



**Range Maintenance: GTI-CHINA**

- Enter **01** in the **No.** field , fill in the other fields and save.

No.	Year	From No.	To Number	NR Status	Ext.
01					
01	2012	00000000000000000000	00000000000000000000	8000001399	
01	2013	00000000000000000000	00000000000000000000	8000019969	

## b) Define Number Range for Object IDGT\_BILL

If you will not activate new database and use the 'Multiple Data Source' functionality, you can ignore this step. If you will, you should define number range for object 'IDGT\_BILL' by following steps.

**NOTE: Please make sure there will be no overlap between this number range and the number range of billing documents.**

- Define number range by transaction code: **SNRO**.
- Enter the object name: **IDGT\_BILL** and click **change**.

**Number Range Object Maintenance**

Ranges

Object: IDGT\_BILL

Display Change Create

- Select the Ranges button to create a new number range.

**Number Range Object IDGT\_BILL: Change**

Ranges Change Documents

Short Txt: IDGT\_BILL

Long Txt: IDGT\_BILL

Ranges Customizing Group

Subobject Data Element:

Number Length Domain: VBELN

% Warning: 10,0

☐ To-year flag

☐ No rolling

- Select the **Intervals** button.

5. Enter **01** in the **No.** field , fill in the other fields and save.

No	From No.	To Number	NR Status	Ext
01	2013000001	2013999999		<input type="checkbox"/>

### 3.6 Activate New Database

**Prerequisites:** If you do not see the node of **Activate New Database** in your system, implement SAP Notes 1877993, 1856123 and 1857327.

For better performance, a new set of database tables have been delivered for GTI. You can choose to adopt new tables (**IDGT\_GTDM**,**IDGT\_GTDH**,**IDGT\_GTDI**, etc.) or the existing tables (**IDGT\_INFO** and **IDGT\_MERGE\_INFO**). If you have never used the GTI solution, we recommend you to use new tables.

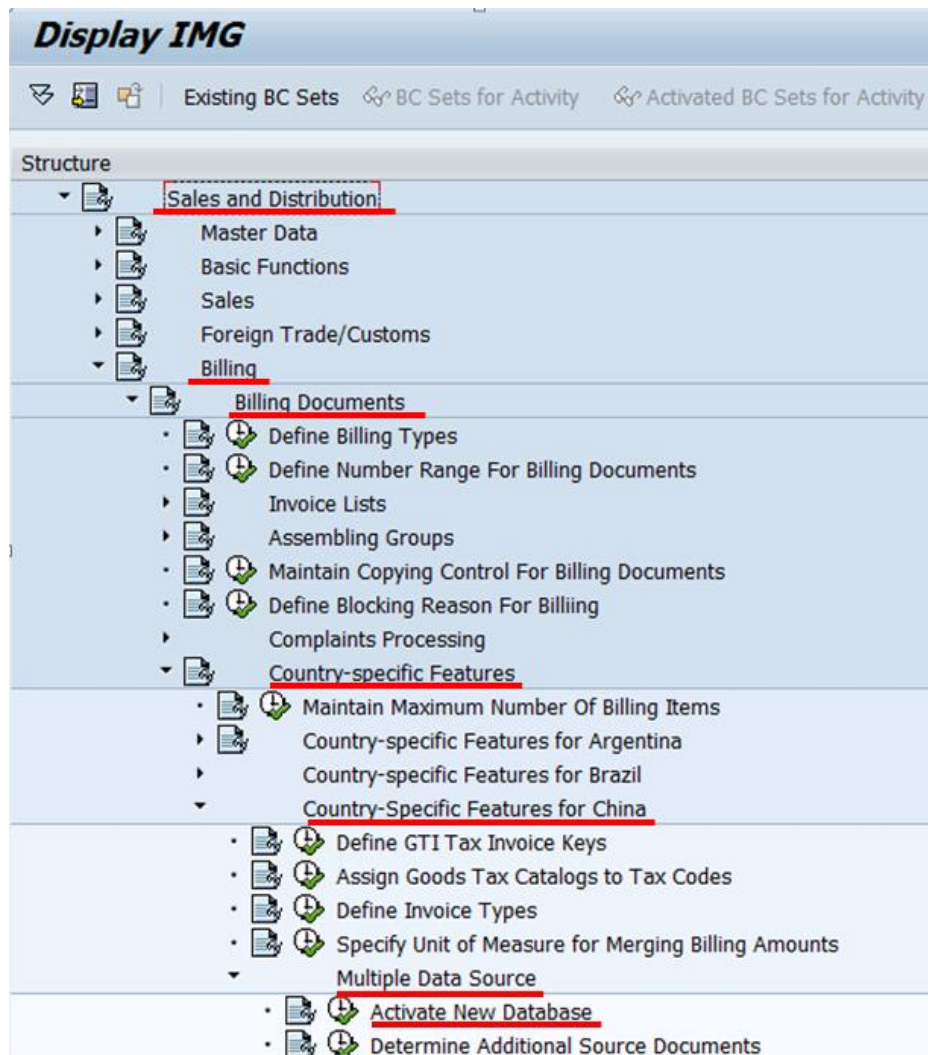
You can activate the new database by the following steps:

1. Follow the path to activate new database:

Transaction code **SPRO**.

You can find it in Customizing for Sales and Distribution, under

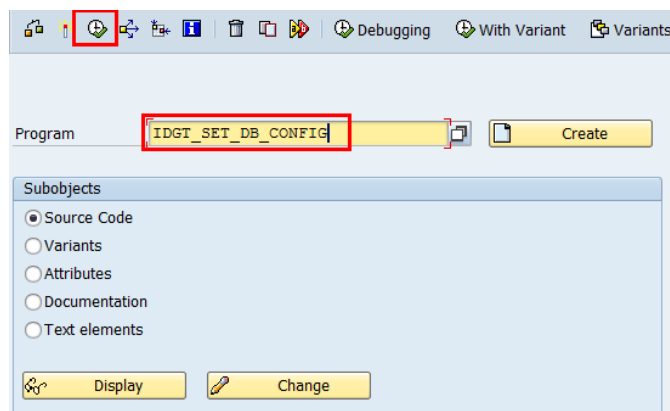
**IMG -> Sales and Distribution -> Billing -> Billing document -> Country-specific Features -> Country-specific Features for China -> Multiple Data Source ->Activate New Database**



You can also activate new database by executing program directly.

Transaction code **SE38**.

Enter Program : **IDGT\_SET\_DB\_CONFIG** and press execute(F8).



2. Activate new database:



**NOTE:** Once you activate the new database, it cannot be deactivated.

### 3.7 Determine Additional Source Documents

**Prerequisites:** If you do not see the node of **Determine Additional Source Documents** in your system, implement notes 1877993, 1856123 and 1857327. And activate new database first.

We have introduced the solution of “Multiple Data Source” as some companies may need to print VAT invoices based on other documents like sales orders, financial documents and so on. Customized development and corresponding configuration are necessary if you need this functionality. You can refer to *Enhance\_Multiple\_Datasource.zip* for details of how to enhance multiple data source.

You can determine additional source documents by the following steps:

1. Follow the path to determine additional source documents:

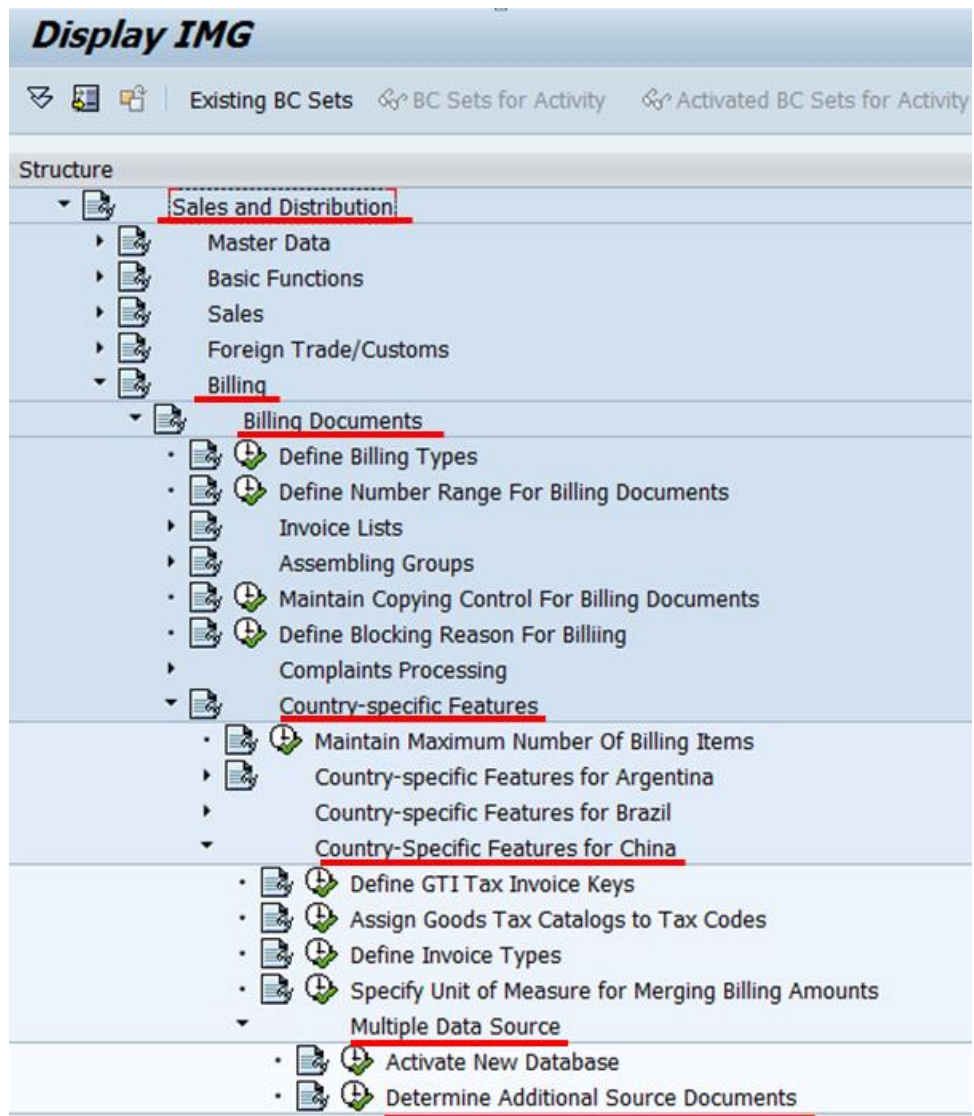
Transaction code **SPRO**.

You can find it in Customizing for Sales and Distribution, under

**IMG -> Sales and Distribution -> Billing -> Billing document -> Country-specific Features -> Country-specific Features for China -> Multiple Data Source -> Determine Additional**



### Source Documents



You can also determine additional source documents by view maintenance.

Transaction code **SM30**.

Enter View : **IDGT\_TAB\_CONF\_V** and press Maintain button.

**Maintain Table Views: Initial Screen**

Find Maintenance Dialog

Table/View: IDGT\_TAB\_CONF\_V

Restrict Data Range

☒ No Restrictions  
☐ Enter conditions  
☐ Variant

Display Maintain Transport Customizing

2. Enter information of additional source documents:

**New Entries: Overview of Added Entries**

Tabbed customize table

Tab ID	Tab Name	Web Dynpro Component	Web Dynpro View	Report Name
1	Sales Order	CL_IDGT_MULTI_DATA_SEARCH	MAIN_WINDOW	Z_SALES_ORDER
2	FI Document	CL_IDGT_MULTI_DATA_SEARCH	MAIN_WINDOW	Z_FI_DOCUMENT

**Tab ID:** Enter a sequence number

**Tab Name:** Specify a name which will be displayed as title of a new tab on the 'Creation of Outbound Files' screen.

**Web Dynpro Component:** Enter **CL\_IDGT\_MULTI\_DATA\_SEARCH**

**Web Dynpro View:** Enter **MAIN\_WINDOW**

**Report Name:** User could develop a program (for example, Z\_SALES\_ORDER) to read other documents for further processing. In the system, there is a sample program IDGTCN\_SALES\_ORDER for your reference.

You can configure multiple tabs for different program.

### 3.8 Create Roles

If you have not activated the new database, create the roles by referring to Chapter2 **Create Roles for Version1** in *GTI\_Role\_Creation.zip*

If you have activated the new database, check whether there are two roles named as 'SAP\_SD\_GTI\_DISPLAY' and 'SAP\_SD\_GTI\_OPERATION'. If yes, use them directly. If no, create the roles by referring to Chapter3 **Create Roles for Version2** in *GTI\_Role\_Creation.zip*

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