

## Adding Descriptive Texts

Beginning with **version 3.2D** of SE16XXL a new functionality for enhancing the result list is available: **descriptive texts** may be added to selected columns of the list, making it more easily understandable for non-technically minded users.

A result list that up to now would have been displayed as follows:

MATNR	WERKS	PSTAT	EKGRP	DISMM	DISPO	PLIFZ	WEBAZ	DISLS	BESKZ	FHORI	DZEIT	WZEIT	LADGR	MTVFP	HERKL	HE
102-500	1000	VEDPALSQBG	100	PD	101	1	1	EX	E	001	0	1	0003	02		
102-500	2300	VEDPALSQBG	026	PD	001	1	1	EX	F	001	0	1	0001	02	DE	
102-500	3000	VEDPALSQBG	001	PD	101	10	0	EX	F	001	10	0	0001	02		
102-510	1000	VEDPLSQBG	100	ND	101	10	1	EX	F	001	0	0	0001	01		
102-510	3000	VEDPLSQBG	001	PD	101	10	0	EX	F	001	0	0	0001	01		
102-600	1000	EDPLSQBG	100	ND	101	10	1	EX	F	001	0	2		02		
102-600	2300	EDPLSQBG	026	PD	001	10	1	EX	F	001	0	2		02	DE	
102-600	3000	EDPLSQBG	001	PD	101	10	5	EX	F	001	0	0		02		
102-700	1000	EDPLSQBG	100	PD	101	10	1	EX	F	001	0	0		01		
102-700	2300	EDPLSQBG	026	PD	001	10	1	EX	F	001	0	0		01	DE	
102-700	3000	EDPLSQBG	001	PD	101	10	5	EX	F	001	0	0		02		

may now be enhanced with additional descriptive texts as exemplified below:

MATNR	V-MATNR_TXT	WERKS	V-WERKS_TXT	PSTAT	EKGRP	V-EKGRP_TXT	DISMM	DISPO	V-DISPO_TXT	PL
102-500	Bearing case	1000	Werk Hamburg	VEDPALSQBG	100	Corporate Purchsng	PD	101	PP GENERAL	
102-500	Bearing case	2300	Barcelona	VEDPALSQBG	026	Mr. Sanchez	PD	001	001	
102-500	Bearing case	3000	New York	VEDPALSQBG	001	Dietl,B.	PD	101	PP GENERAL	
102-510	Ball bearing	1000	Werk Hamburg	VEDPLSQBG	100	Corporate Purchsng	ND	101	PP GENERAL	
102-510	Ball bearing	3000	New York	VEDPLSQBG	001	Dietl,B.	PD	101	PP GENERAL	
102-600	Support base	1000	Werk Hamburg	EDPLSQBG	100	Corporate Purchsng	ND	101	PP GENERAL	
102-600	Support base	2300	Barcelona	EDPLSQBG	026	Mr. Sanchez	PD	001	001	
102-600	Support base	3000	New York	EDPLSQBG	001	Dietl,B.	PD	101	PP GENERAL	
102-700	Sheet metal ST37	1000	Werk Hamburg	EDPLSQBG	100	Corporate Purchsng	PD	101	PP GENERAL	
102-700	Sheet metal ST37	2300	Barcelona	EDPLSQBG	026	Mr. Sanchez	PD	001	001	
102-700	Sheet metal ST37	3000	New York	EDPLSQBG	001	Dietl,B.	PD	101	PP GENERAL	
103-103	Casing 103	1000	Werk Hamburg	VEDPALSGG	001	Dietl,B.	PD	101	PP GENERAL	
103-100	Casing 103	3000	New York	VEDPALGG	001	Dietl,B.	PD	001	MEIER	
103-110	Slug for spiral casing--chrome steel	1000	Werk Hamburg	EDPLSQG	001	Dietl,B.	PD	001	DISPONENT 001	

There is no need for the user to perform joins with the involved text tables - one operation (under menu **Extras → Add text columns**) does it all. The user only has to mark the columns to be enhanced and call the function (or just call the function without marking any columns, in which case all enhanceable columns will be proposed).

Before going through an example to show how the operation is to be carried out, it may be interesting to discuss the various types of descriptive texts and their association with database table fields.

## Technical Aspects

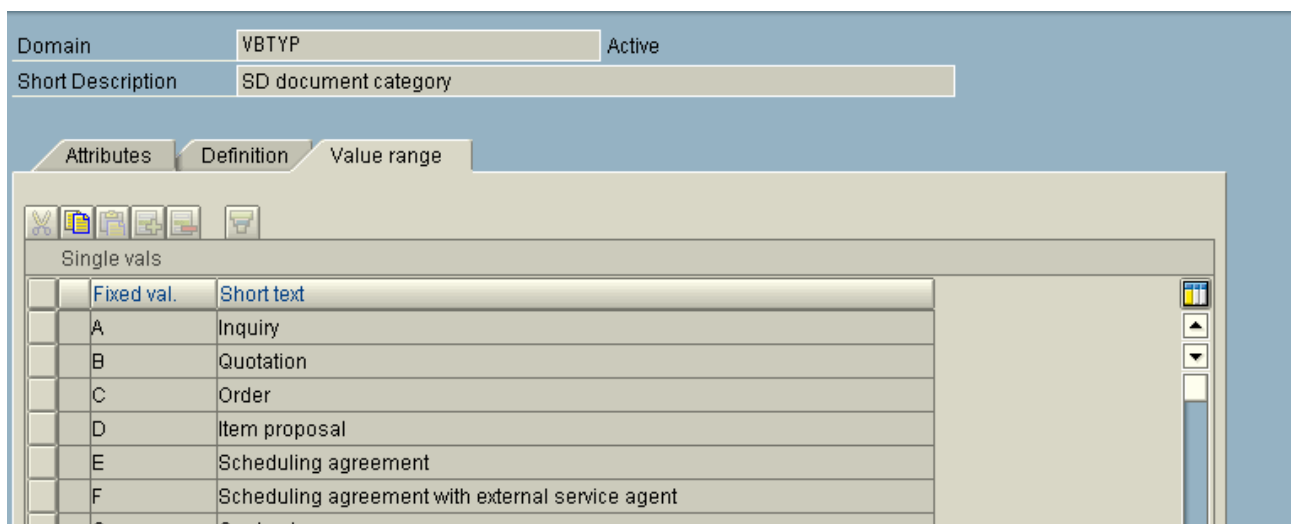
Not every database table field has an associated descriptive text. Most numeric fields, dates, etc. do not have any. In regard to the implementation of the operation being discussed there are four different types of descriptive texts:

- 1) Texts associated with domain fixed values;
- 2) Texts associated with text table assignments;
- 3) Hard coded text table assignments;
- 4) Explicitly defined Special Texts.

Each kind will now be briefly examined.

### Texts associated with domain fixed values

In SAP parlance a "domain" is the description of a field with its type (e.g. CHAR), length (e.g. 10 characters) and possibly other attributes. This description may also include a series of "fixed values" with associated texts. A typical example is domain **VBTP** (SD document category) which can take the following values:



Fixed val.	Short text
A	Inquiry
B	Quotation
C	Order
D	Item proposal
E	Scheduling agreement
F	Scheduling agreement with external service agent
G	Contract

The fixed values of a domain are easily found and have the highest priority in the determination of descriptive texts. If a result list field is associated with such a domain, the involved texts are taken and no further processing is needed.

## Texts associated with text table assignments

This kind of text relationship is the most common in the SAP system. A large number of database master tables are associated by means of "Foreign Keys" to a "Text Table" which contains language-dependent descriptive texts. The interested user will find the appropriate definitions in the Data Dictionary.

Let's consider for example table **TVKO**, which is the master table for sales organizations:

Transp. table

TVKO

Active

Short Description

Organizational Unit: Sales Organizations


Attributes


Delivery and Maintenance


Fields


Entry help/check


Currency/Quantity Fields























Srch help

Built-in type

Field	Key	Initi...	Data element	Data Ty...	Length	Decim...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client
VKORG	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VKORG	CHAR	4	0	Sales Organization
. INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	SI TVKO	STRU	0	0	Organizational Unit: Sales Organizations
WAERS	<input type="checkbox"/>	<input type="checkbox"/>	WAERS_V	CUKY	5	0	Statistics currency
BUKRS	<input type="checkbox"/>	<input type="checkbox"/>	VKBUK	CHAR	4	0	Company code of the sales organization
ADDNR	<input type="checkbox"/>	<input type="checkbox"/>	ADDNR	CHAR	10	0	Address

By using the menu function **Goto → Text Table** we are carried to table TVKOT:

Transp. table

TVKOT

Active

Short Description

Organizational Unit: Sales Organizations: Texts


Attributes


Delivery and Maintenance


Fields


Entry help/check


Currency/Quantity Fields
























Srch help


Built-in type

Field	Key	Initi...	Data element	Data Ty...	Length	Decim...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client
SPRAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SPRAS	LANG	1	0	Language Key
VKORG	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VKORG	CHAR	4	0	Sales Organization
VTEXT	<input type="checkbox"/>	<input type="checkbox"/>	VTXTK	CHAR	20	0	Name

This is the text table associated with TVKO. The exact definition may be inspected by setting the cursor on the key field VKORG and pressing the  button situated above the list of fields. The details of the foreign key relationship may be seen on the following page:

Display Foreign Key TVKOT-VKORG

Short text:

Check table: TVKO 

Check table	ChkTablFld	For.key table	Foreign key field	Generic	Constant
TVKO	MANDT	TVKOT	MANDT	<input type="checkbox"/>	
TVKO	VKORG	TVKOT	VKORG	<input type="checkbox"/>	


Screen check





☒ Check required      Error message      MsgNo       AArea

Semantic attributes

Foreign key field type

☐ Not Specified  
☐ Non-key-fields/candidates  
☐ Key fields/candidates  
☒ Key fields of a text table

Cardinality: 1 : CN 

However, the search for the descriptive texts ends here only if the field being processed is the key of a **master** table. In all other cases the field being considered only refers to a master table either by means of foreign keys or through the data element or domain definition, which possibly point to a master table.

Thus the text determination proceeds first from the current table field to its master table and from there to the corresponding text table. For example:

VBAK-VKORG → TVKO-VKORG → TVKOT-VKORG → TVKOT-VTEXT

The text determination is quite straightforward if only **one key field** is involved. Otherwise the foreign key relationships may be complicated by generic or external assignments which in some cases frustrate the procedure. This means that sometimes no descriptive text is found, even if a superficial analysis seems to indicate otherwise.

## Hard coded text table assignments

If we bother to analyze the relationship between table **DD02L**, which describes the tables defined in the Data Dictionary, and its assumed text table **DD02T**, we will be surprised to discover that **no such text relationship exists**. And this is not the only case. **DD06L** and **DD06T** for example exhibit the same lack of relationship.

Ignoring this situation would mean that no descriptive texts would be available for most DDIC entities – not a very elegant solution.

Therefore it has been decided to "hard code" such missing links. The following relationships are hard coded:

- 1) Most Data Dictionary entities like TABNAME etc.  
Example: DD02L-TABNAME →  
DD02T-TABNAME → DD02T-DDTEXT.
- 2) Internal Class Numbers (CLINT).  
KLAH-CLINT → SWOR-CLINT → SWOR- KSCHL.

It must be observed that field KLAH-CLASS has not been chosen for this kind of processing because it is ambiguous, since it depends also on the value of KLAH-KLART.

- 3) Domains PROGRAMM, PROGNAME and PROGRAM\_ID.  
TRDIR-NAME → TRDIRT-NAME → TRDIRT-TEXT.

More hard coding might be carried out for similar situations in future versions.

## Explicitly defined Special Texts

After exhausting all other means there still remain fields for which no descriptive text can be determined. For example **BUKRS**, the company code, or **EKORG**, the purchasing organization. For some reason these fields do not have a language-dependent text. However they do have a language-independent one – these texts are to be found in the master tables themselves, **T001** and **T024E** respectively.

The problem with this kind of text relationship is that it is not clear which fields are affected, and which related fields contain the desired description. This holds especially true for fields like KUNNR (customer number), whose master table KNA1 contains dozens of character-type fields. Which one can be used as descriptive text?

The only viable solution is to define these relationships explicitly. To this end a definition dialog has been provided (Special Texts Definitions) for the administrator:

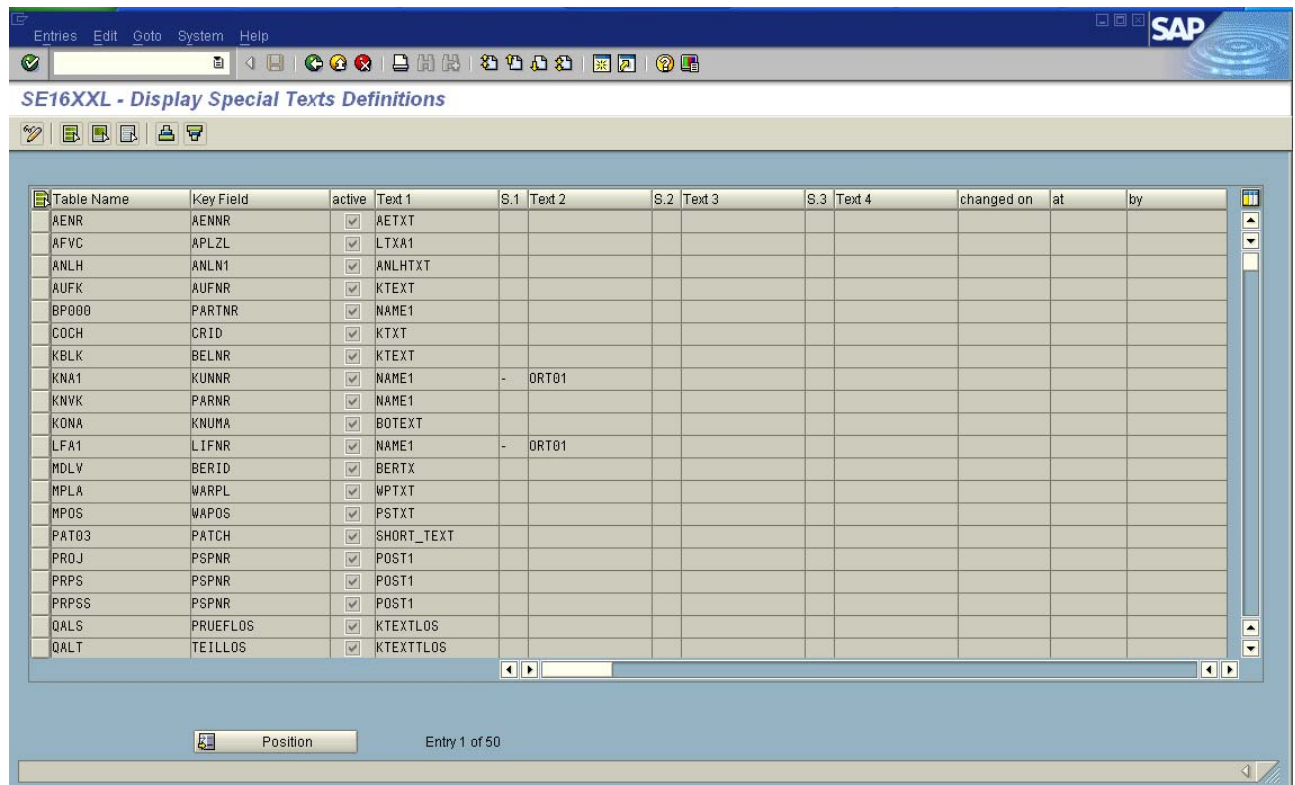


Table Name	Key Field	active	Text 1	S.1	Text 2	S.2	Text 3	S.3	Text 4	changed on	at	by
AENR	AENNR	<input checked="" type="checkbox"/>	AETXT									
AFVC	APLZL	<input checked="" type="checkbox"/>	LTXA1									
ANLH	ANLN1	<input checked="" type="checkbox"/>	ANLHTXT									
AUFK	AUFNR	<input checked="" type="checkbox"/>	KTEXT									
BP000	PARTNR	<input checked="" type="checkbox"/>	NAME1									
COCH	CRID	<input checked="" type="checkbox"/>	KTXT									
KBLK	BELNR	<input checked="" type="checkbox"/>	KTEXT									
KNA1	KUNNR	<input checked="" type="checkbox"/>	NAME1	-	ORT01							
KNVK	PARNR	<input checked="" type="checkbox"/>	NAME1									
KONA	KNUMA	<input checked="" type="checkbox"/>	BOTEXT									
LFA1	LIFNR	<input checked="" type="checkbox"/>	NAME1	-	ORT01							
MDLV	BERID	<input checked="" type="checkbox"/>	BERTX									
MPLA	WARPL	<input checked="" type="checkbox"/>	WPTXT									
MPOS	WAPOS	<input checked="" type="checkbox"/>	PSTXT									
PAT03	PATCH	<input checked="" type="checkbox"/>	SHORT_TEXT									
PROJ	PSPNR	<input checked="" type="checkbox"/>	POST1									
PRPS	PSPNR	<input checked="" type="checkbox"/>	POST1									
PRPSS	PSPNR	<input checked="" type="checkbox"/>	POST1									
QALS	PRUEFLOS	<input checked="" type="checkbox"/>	KTEXTLOS									
QALT	TEILLOS	<input checked="" type="checkbox"/>	KTEXTTLOS									

A series of default definitions are provided, which can be modified or deactivated, if considered inappropriate. The administrator may also define new relationships.

As may be seen, up to four text fields can be specified for a given key field. These text fields are then concatenated to produce the final descriptive text. Thus a given customer may also be described using the name field NAME1 combined with the location field ORT01.

After this brief digression concerning the technicalities of text determination we can proceed with a description of the operation from the user's viewpoint.

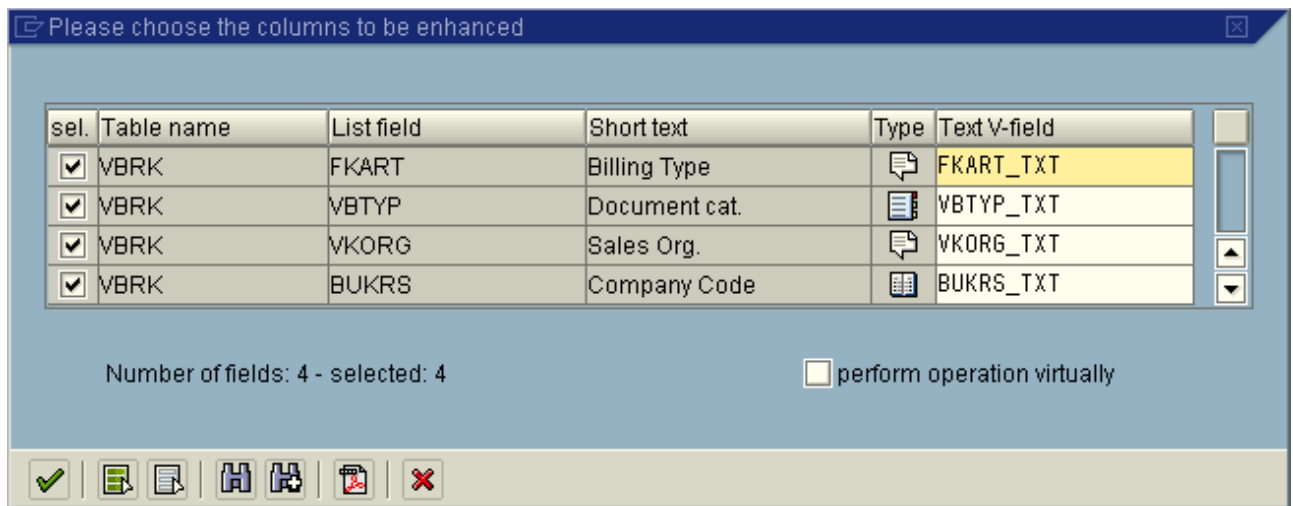
## Operation "Add text columns"

A couple of examples will illustrate the way this operation is to be carried out. Suppose we are dealing with a list of entries of table VBRK (Billing Document: Header Data):

Table VBRK - Billing Document: Header Data												
VBELN	FKART	FKTYP	VBTYP	VKORG	VTWEG	BUKRS	KALSM	KNUMV	VSBED	KDGRP	ZTERM	LAND1
0090000763	B2	K	O	1000	10	1000	RVAA01	0000002800	02	02	ZB01	DE
0090005177	F2	L	M	1000	10	1000	RVAA01	0000012141	01	01	ZB00	DE
0090005182	S1	L	N	1000	10	1000	RVAA01	0000012226	01	01	ZB00	DE
0090005639	F2	L	M	R300	R6	R300	VKPUS3	0000013878	01		0005	US
0090005640	S1	L	N	R300	R6	R300	VKPUS3	0000013879	01		0005	US
0090005748	ZIVU	I	5	1000	12	1000	ZIV002	0000014239	02	04	ZB01	FR
0090005749	F2	L	M	2200	10	2200	RVAA01	0000014240	02	01	ZB01	FR
0090005767	FP	X	M	R300	R1	R300	POSUSJ	0000014317	01		ZB01	US
0090005784	F2	L	M	1020	22	1000	RVAA01	0000014440	02	06	ZB01	DE
0090007462	FL	L	U	1000	12	1000		0000016915	02			DE

We would like to add descriptive texts for the following columns: FKART, VBTYP, VKORG and BUKRS. We therefore mark the columns in question and choose from the menu: **Extras → Add text columns**.

The program reacts with the following dialog box:



sel.	Table name	List field	Short text	Type	Text V-field
<input checked="" type="checkbox"/>	VBRK	FKART	Billing Type		FKART_TXT
<input checked="" type="checkbox"/>	VBRK	VBTP	Document cat.		VBTYP_TXT
<input checked="" type="checkbox"/>	VBRK	VKORG	Sales Org.		VKORG_TXT
<input checked="" type="checkbox"/>	VBRK	BUKRS	Company Code		BUKRS_TXT

Number of fields: 4 - selected: 4

☐ perform operation virtually

For each column to be enhanced a unique name for the associated text column must be specified. The program automatically creates a proposal as may be seen above. The icons at the left of the text field names indicate the kind of text relationship.

If the cursor is kept hovering for a while on such an icon the name of the involved table or domain will show up.




All that needs to be done now is to press  (continue). The enhanced result list will then appear:


Table VBRK - Billing Document: Header Data													
VBELN	FKART	V-FKART_TXT	FKTYP	VBTPP	V-VBTPP_TXT	VKORG	V-VKORG_TXT	VTWEG	BUKRS	V-BUKRS_TXT	KALSM	KNUMV	VSBE
0090000763	B2	Rebate Correction	K	O	Credit memo	1000	Germany Frankfurt	10	1000	IDES AG - Frankfurt	RVAA01	0000002800	02
0090005177	F2	Invoice	L	M	Invoice	1000	Germany Frankfurt	10	1000	IDES AG - Frankfurt	RVAA01	0000012141	01
0090005182	S1	Invoice Cancellation	L	N	Invoice cancellation	1000	Germany Frankfurt	10	1000	IDES AG - Frankfurt	RVAA01	0000012226	01
0090005639	F2	Invoice	L	M	Invoice	R300	Retail USA	R6	R300	IDES Retail INC US - Los Angeles	VKPUS3	0000013878	01
0090005640	S1	Invoice Cancellation	L	N	Invoice cancellation	R300	Retail USA	R6	R300	IDES Retail INC US - Los Angeles	VKPUS3	0000013879	01
0090005748	ZIVU	IB Stock Transfer	I	5	Intercompany invoice	1000	Germany Frankfurt	12	1000	IDES AG - Frankfurt	ZIV002	0000014239	02
0090005749	F2	Invoice	L	M	Invoice	2200	France, Paris	10	2200	IDES France - Paris	RVAA01	0000014240	02
0090005767	FP	Billing POS-Interface	X	M	Invoice	R300	Retail USA	R1	R300	IDES Retail INC US - Los Angeles	POSUSJ	0000014317	01
0090005784	F2	Invoice	L	M	Invoice	1020	Germany Berlin	22	1000	IDES AG - Frankfurt	RVAA01	0000014440	02
0090007462	FL	Proforma for LB	L	U	Pro forma invoice	1000	Germany Frankfurt	12	1000	IDES AG - Frankfurt		0000016915	02
0090009074	F2	Invoice	L	M	Invoice	3000	USA Philadelphia	10	3000	IDES US INC - New York	RVAAUS	0000019099	02
0090009955	F2	Invoice	D	M	Invoice	3000	USA Philadelphia	14	3000	IDES US INC - New York	ZPBUS1	0000020263	02
0090010781	F2	Invoice	D	M	Invoice	1000	Germany Frankfurt	14	1000	IDES AG - Frankfurt	PSER01	0000021420	02
0090011497	FP	Billing POS-Interface	W	M	Invoice	R300	Retail USA	R1	R300	IDES Retail INC US - Los Angeles	POSUSJ	0000022570	01
0090013021	FP	Billing POS-Interface	W	M	Invoice	R100	Retail Germany	R1	R100	IDES Retail GmbH - Giessen	POS000	0000024626	01
0090015004	F2	Invoice	L	M	Invoice	3070	USA Denver	10	3000	IDES US INC - New York	RVAAUS	0000027689	02

Notice that each of the enhanced columns is directly followed by a new column with the corresponding descriptive text.

Switch in the User Settings to "field label" and you will notice that the headings of the two columns are identical:

Table VBRK - Billing Document: Header Data									
Bill.Doc.	Bill. Type	Bill. Type	Bill.Categ.	Doc.cat.	Doc.cat.	Sales org.	Sales org.	Dist	
0090000763	B2	Rebate Correction	K	O	Credit memo	1000	Germany Frankfurt	10	
0090005177	F2	Invoice	L	M	Invoice	1000	Germany Frankfurt	10	
0090005182	S1	Invoice Cancellation	L	N	Invoice cancellation	1000	Germany Frankfurt	10	
0090005639	F2	Invoice	L	M	Invoice	R300	Retail USA	R6	

This is done to avoid having to define each heading separately.

For a similar reason the additional text fields do not appear as independent columns when the layout is changed () – instead they are represented by a checkbox:

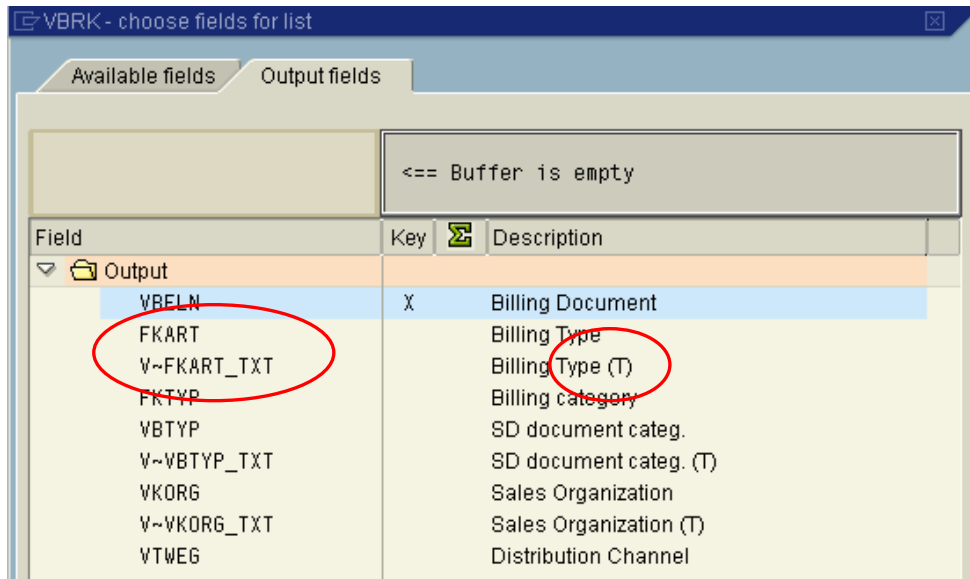
VBRK - choose fields for list

Available fields    Output fields

Field	Key	Text	Description
<input type="checkbox"/> MANDT	X		Client
<input checked="" type="checkbox"/> VBELN	X		Billing Document
<input checked="" type="checkbox"/> FKART		<input checked="" type="checkbox"/>	Billing Type
<input checked="" type="checkbox"/> FKTPP		<input checked="" type="checkbox"/>	Billing category
<input checked="" type="checkbox"/> VBTPP		<input checked="" type="checkbox"/>	SD document categ.
<input type="checkbox"/> WAERK			Document currency
<input checked="" type="checkbox"/> VKORG		<input checked="" type="checkbox"/>	Sales Organization
<input checked="" type="checkbox"/> VTWEG			Distribution Channel

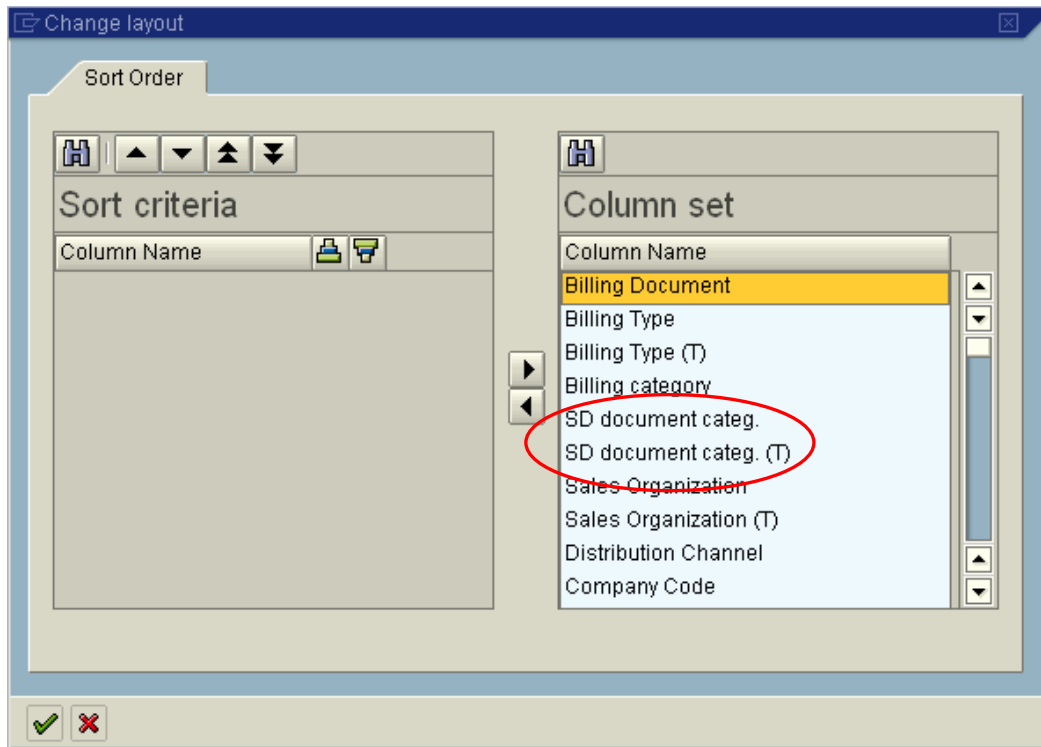


Only among the output fields do they attain independence:



However, to change their position in the list is not advisable.

Notice also that the description of the text columns ends with a (T). This makes it easier to distinguish such columns from the original ones in case only the description is visible, a situation that occurs on some standard dialog boxes, like for example when sorting with ALV grid:



As the attentive reader may have noticed, the descriptive texts are implemented as V(ariet) fields. V-fields are normally kept at the rightmost side of the result list. However, separating the descriptive text from its parent column would render the text completely useless. For this reason the two should always be kept side by side.

A similar behavior may be noticed in the detailed view of a result list entry:

### Entry of table VBRK - Billing Document: Header Data

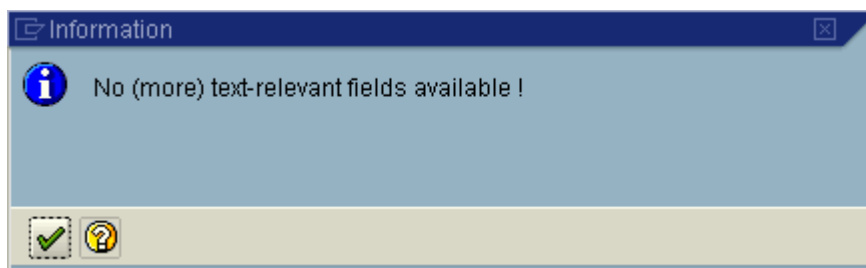
Merge/Demerge texts		
Entry of table VBRK - Billing Document: Header Data		
MANDT	'800'	Client
VBELN	'0090005639'	Billing Document
FKART	'F2'	Billing Type
V~FKART_TXT	'Invoice'	Billing Type (T)
EKTYP	'L'	Billing category
VBTP	'M'	SD document category
V~VBTP_TXT	'Invoice'	SD document category (T)
WAERK	'USD'	SD document currency
VKORG	'R300'	Sales Organization
V~VKORG_TXT	'Retail USA'	Sales Organization (T)
VTWEG	'R6'	Distribution Channel
KALSM	'VKPUS3'	Sales and Distribution: Pricing Procedure in Pricing
KNUMV	'0000013878'	Number of the document condition
VSBED	'01'	Shipping conditions
FKDAT	'06.03.1998'	Billing date for billing index and printout
BELNR	'	Accounting Document Number
GJAHR	'0000'	Fiscal Year
POPER	'000'	Posting Period
KONDA	'01'	Price group (customer)
KGRPP	'	Customer group

Should the necessity arise of examining the row in detail without intermingled descriptive texts, a remedy is easily found: pressing the **Merge/Demerge texts** button banishes all descriptive texts to the bottom of the detail list:

AKKUR	'0,00000'	Exchange rate for letter-of-credit procg in foreign trade
KIDNO	'0090005639'	Payment Reference
BVTYP	'	Partner bank type
NUMPG	'000'	Number of pages of invoice
BUPLA	'	Business Place
VKONT	'	Contract Account Number
FKK_DOCSTAT	'	Additional Status Transfer to Fin. Accounting (Res. RFBSK)
NRZAS	'	Character Field of Length 12
V~FKART_TXT	'Invoice'	Billing Type (T)
V~VBTP_TXT	'Invoice'	SD document category (T)
V~VKORG_TXT	'Retail USA'	Sales Organization (T)
V~BUKRS_TXT	'IDES Retail INC US - Los Angeles'	Company Code (T)

**NOTES:**

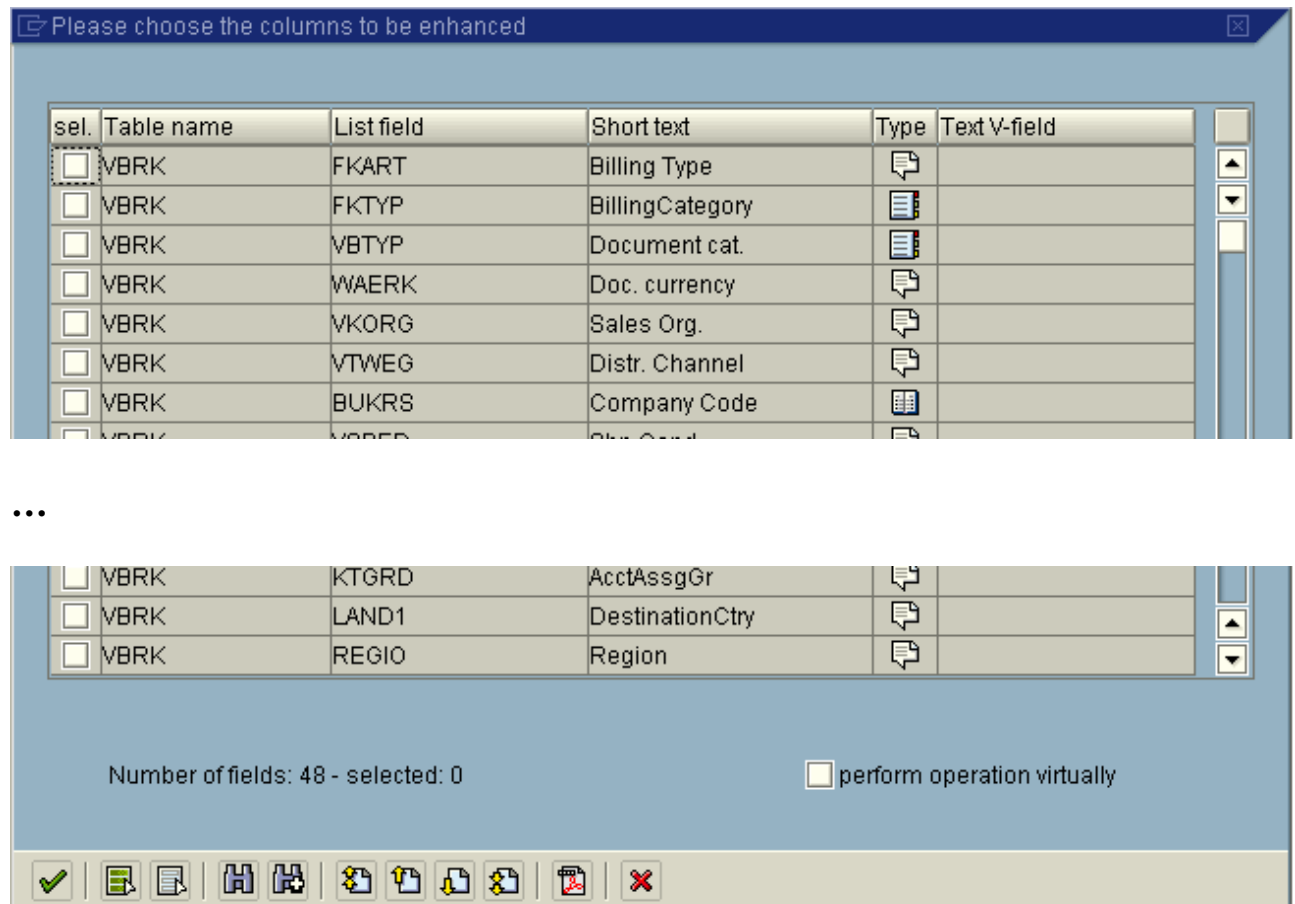
- Since at most **256 V-fields** may be defined for a given result list, this is also the maximum number of descriptive texts possible.
- For a given list column **only one** descriptive text can be added.
- If for the marked columns no descriptive text can be determined, or if they already have been added, the following message is issued:



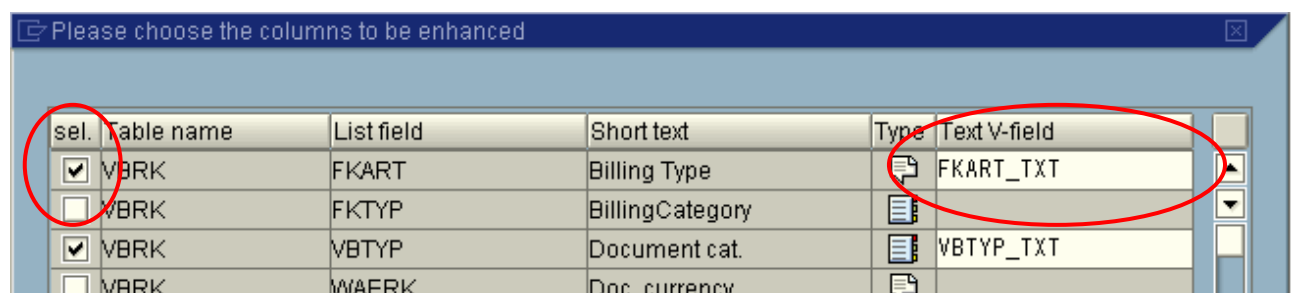
- Table and field permissions **play no role** in the text determination process.
- All descriptive text columns, regardless of their origin, are of type **STRING**. As a result the width of such columns is automatically optimized.
- The "Add text columns" operation also affects any list entries hidden by previous filter operations. When the filter is removed, i.e. the hidden entries are made visible again, their descriptive texts will also become visible.
- Descriptive texts may also be added for other kinds of V-fields, for example formula fields which have been fixed.  
But in this case only the V-field itself is taken into account for determining the text – texts depending on more than one field will thus not be found.  
Example: the text for EKKO-BSART also depends on EKKO-BSTYP.
- For formula fields no descriptive texts may be added. This is due to the fact that a formula may be performed more than once, whereas the adding of descriptive texts is a one-time operation. If descriptive texts are desired, the user must first convert the formula fields to V-fields (Fix Formula Fields).

### Alternative way of performing the "Add text columns" operation.

It is not always easy to figure out which list columns could have a descriptive text and which not. Therefore, instead of marking the columns in question the inquisitive user may also perform the operation **without marking any column**. In this case the program reacts by analyzing all output columns of the list and presenting the result on a dialog box:

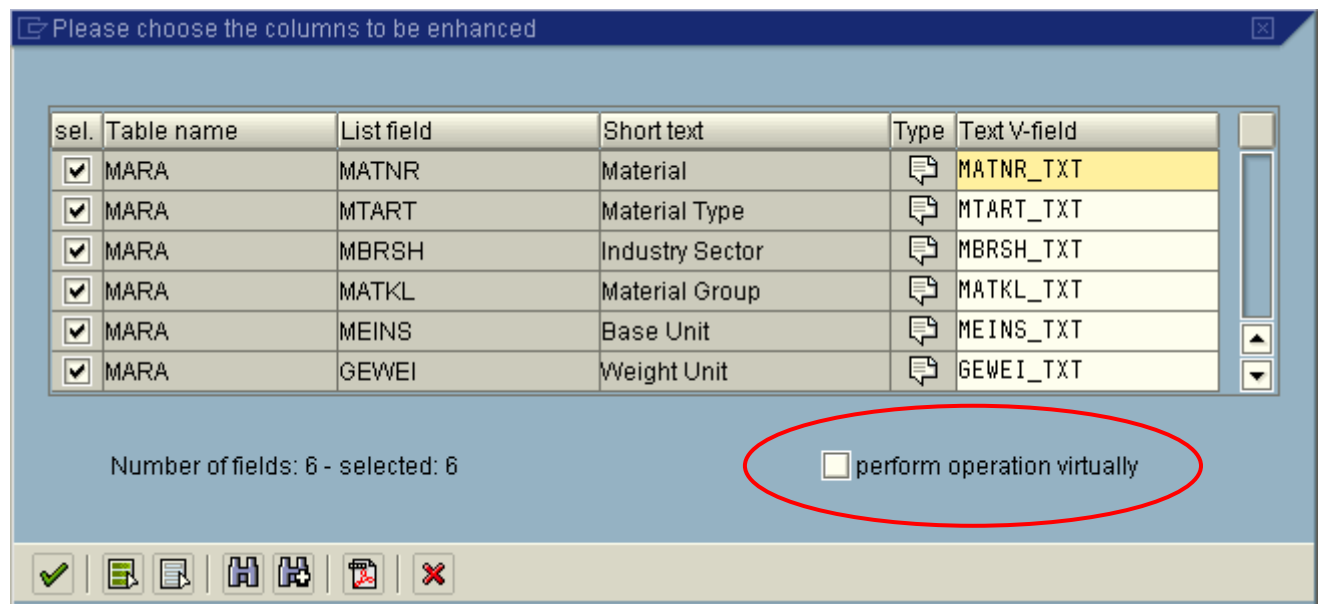


The user may now inspect the list and choose the appropriate columns. As soon as a field is selected a proposal for the V-field name is presented:



### Option "perform operation virtually"

The attentive reader has probably noticed that on the dialog box connected with the "Add text columns" operation a special option is available, to the effect that the operation should be performed in a virtual manner:



This option is not relevant for domain fixed values. In all other cases the involved (text) tables are read independently of the original column values for which the descriptive texts are to be found. The join operation then takes place virtually in main memory.

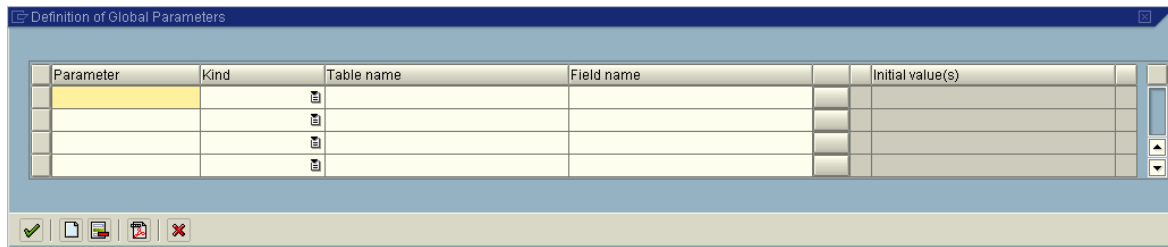
For tables with a relatively small number of distinct values the performance is probably similar to the normal (i.e. without setting the option) case. However, with tables involving hundreds of thousands of distinct entries, like for example material numbers, this option could result in a considerable increase in performance.

The inquisitive user should try out both cases and choose the better one.

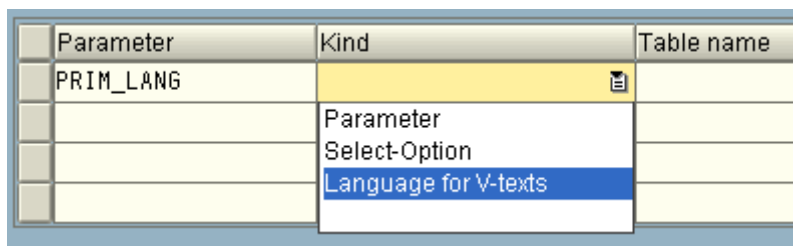
## Primary Text Language

The "Add text columns" operation uses the current logon language for the text determination (except for "special texts" which are language-independent). This choice may be overridden by means of a global parameter:

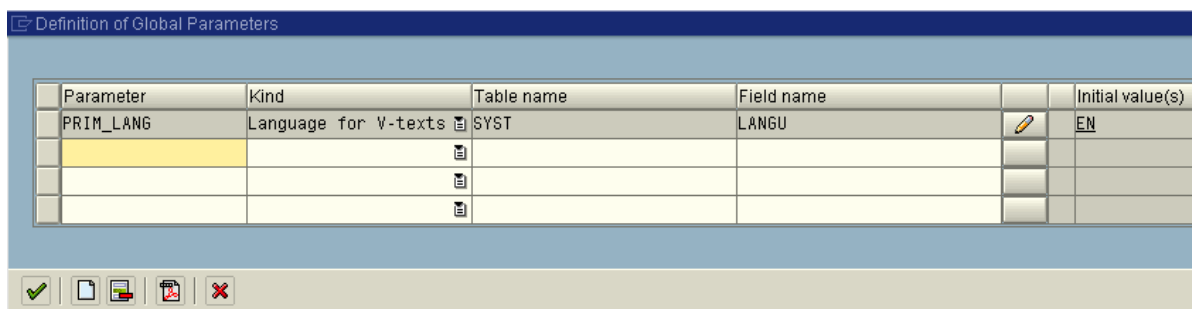
Menu **Extras** → **Define global parameters** – the following dialog box appears:



After specifying a parameter name and the kind (Language for V-texts) as follows:



the rest is set up automatically by the program:





The initial value may then be changed by pressing the  button at the right.

From now on the "Add text column" operations will make use of the specified primary language.

**NOTE:** if descriptive texts are inserted **before** the global parameter is defined, its value will be set to the current logon language and **will be inalterable**. The reason is that all descriptive texts of a session should belong to the same primary language.

As for all global parameters, this one also can be put at the disposal of the user by placing it on the **special selection screen** of the script in which it is defined. The way of doing this will be briefly recapitulated.

- In the script catalog set the cursor on the desired script and press  on the application toolbar.
- Then press  Choose blocks on the ensuing definition screen.
- Select the "Global parameters" block:


Block	Selection
<input checked="" type="checkbox"/> Selection of table VBRK	First selection
<input checked="" type="checkbox"/> Global parameters	Global parameters
<input type="checkbox"/> Selection of table VBRK	Select for all entries

- On the "Global parameters" tab possibly change the corresponding label:

Selection of table VBRK

Global parameters


Block: Global parameters







Criteria

Restrictions

Criterion	Pos.	Type	Length	Table	Fieldname	Values	Label
TEXT_LANGUAGE	1	LANG	1	SYST	LANGU	<input checked="" type="checkbox"/>	Language for texts

- Press  on the menu bar to save the special selection screen definition.

When the script is performed, the primary language will be available on the selection screen:

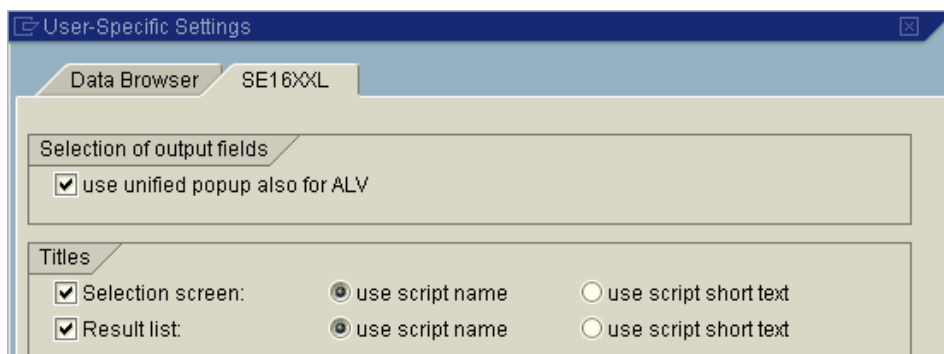
Selection of table VBRK			
Sales Org.		to	
Billing Type		to	
Billing date		to	
Billing Doc.		to	
			 VKORG  FKART  FKDAT  VBELN
Global parameters			
Language for texts	EN	TEXT_LANGUAGE	



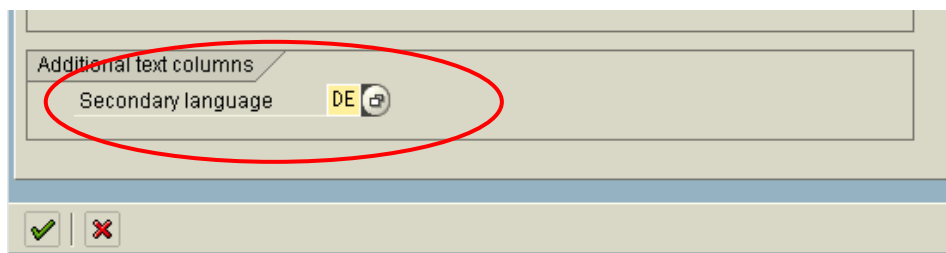
## Secondary Text Language

Descriptive texts are not always available in all languages. And some texts might not be present for all values of the desired columns. When this happens the involved descriptive texts remain empty.

In order to mitigate these unpleasant effects, it is possible to specify a **secondary language**, to be used in case the primary one is unable to deliver a result. The specification is carried out in the User Settings on the second tab:




...

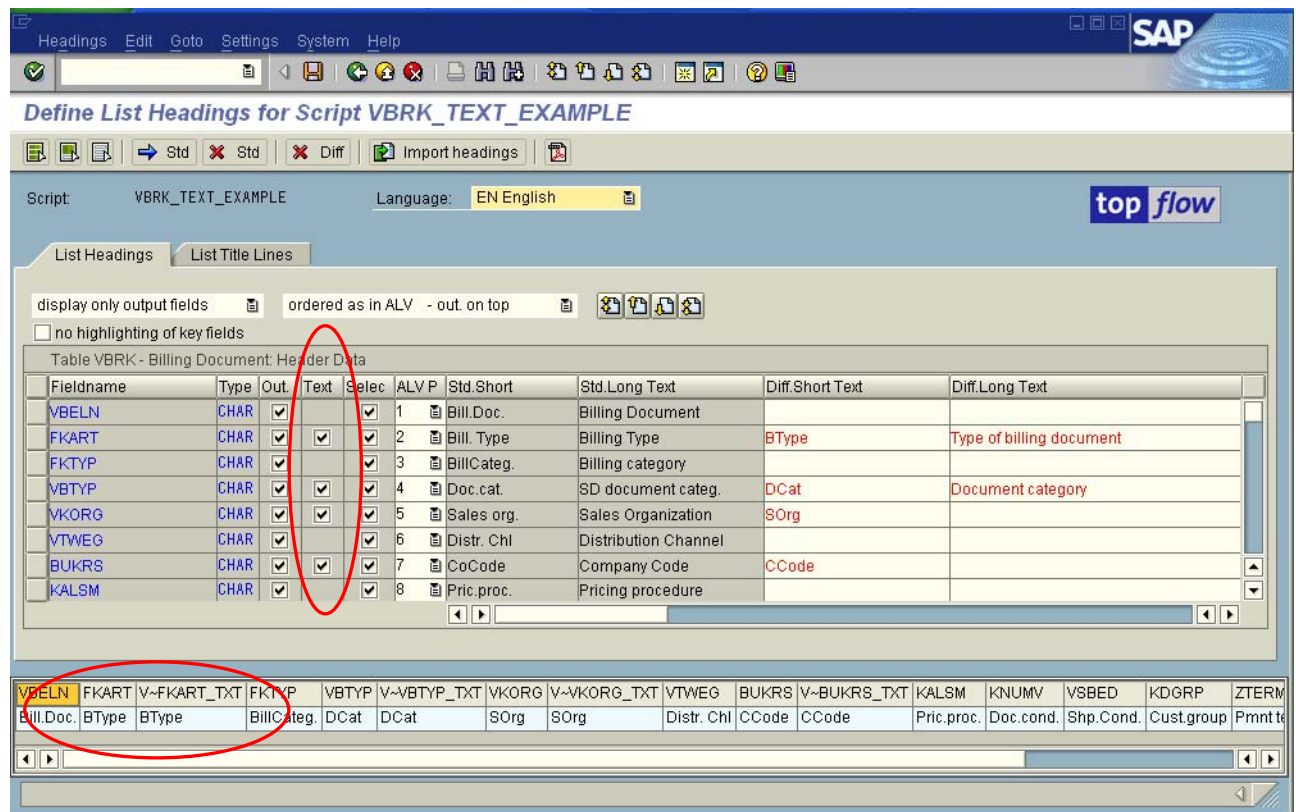


Descriptive texts found by means of the secondary language are set between square brackets [...] to indicate this circumstance:

Table MVKE - Sales Data for Material								
Material	Material	Sales org.	Distr. Chl	DChain Ml	Matl stats	Rebate grp	Status	
FSB-0042	Cash Pooling	3020	30					
FSB-0043	Foreign Currency Account	3020	30					
FSB-0044	Fixed-term deposit	3020	30					
FSB-0045	Overnight money	3020	30					
FSC-CELSIUS W340	[CELSIUS W340-012DE]	9000	10					
FSC-E5700-02DE	[ESPRIMO E5700-02DE]	9000	10					
FSC-P32661-66DE	[SCENIC P32661-66DE]	9000	10					
FSC-P5600-01DE	[ESPRIMO P5600-01DE]	9000	10					
FSC-X102-11LXD	[SCENIC Edition X102-11LXD]	9000	10					
FSL-M001	Car	3020	30					
FSL-M002	PC	3020	30					

## List Headings

As the informed user knows, it is possible to change the headings of a result list either directly (Menu **Extras** → **Define headings etc.**) or for a script in the Script Catalog by pressing  on the application toolbar. The corresponding tool has been enhanced in a way similar to the dialog box for selecting the list fields:



As may be seen in the above picture, a new column **"Text"** has been inserted, which carries a **checkbox** for each field that is provided with a descriptive text. Any differing headings (both short and long) are identical for the original field and its associated descriptive text. The long text of the additional texts is enhanced with a (T) at the end to distinguish it where necessary:

Field	Key	Description
Output		
VBELN	X	Billing Document
FKART		Type of billing document
V~FKART_TXT		Type of billing document (T)
FKTYP		Billing category

## Background Processing

In order to make things easier for the end user the **primary and secondary language** may be specified explicitly when starting a script in background. The involved dialog boxes have been enhanced accordingly.

On the dialog box associated with the **main** SE16XXL selection screen these two languages are always available, since even if the script does not contain any "Add text columns" operations it could still be enhanced in this fashion at a later time. (It must be kept in mind that the script is "referenced", i.e. the newest version is the one used):

Start script in background

☐ non-standard job name

Job class **C** Exec.Target

Maximum no. of hits 500

Width of output list 1000

Language for additional texts Secondary language DE

☒ Start immediately  
☐ Start delayed Date 08.03.2015 Time 23:00:00

with variant

☐ with reduced memory usage  
☐ save result list in server file  
☐ direct result list to SAP spool

Buttons: [OK] [Cancel] [Error]

If the primary language is specified explicitly, it overrides the global parameter value which may be defined in the script or on the script selection screen.

Obviously these parameters have no effect if the script does not contain any descriptive text operation.

The background processing initiated from a script selection screen is slightly different. In this case the script is "**embedded**" (i.e. copied) into the background request and thus remains unchanged through all background runs (if it is periodical).

If the script does not contain any "Add text columns" operations, there is no need to specify the associated language parameters on the dialog box.

But if this kind of operation is present, the primary and secondary languages will be available on the dialog box:

The language specifications are saved with the background request and can be seen in the "Overview of Background Jobs / Requests":

Status	Period.	User	Type	Script	Glob	Priv	RMU	Script user	1st table	VLng	2Lng
Released	Daily	TOPFLOW		VBRK_EXAMPLE_2_TXT				TOPFLOW	VBRK	FR	DE
Released	Daily	TOPFLOW		VBRK_EXAMPLE_2_TXT				TOPFLOW	VBRK	EN	ES