

	<h1>Standard Audit File in SAP</h1>	
Title: Administrator documentation	Version dated: 2020-04-14	

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### History of document changes

Date	Author	Version	Description of the change
08.10.2018	Dominik Korecki	3.0	Object upgrade for SAF-T 3.0
31.10.2016	Szymon Chmielewski	2.7	Extended description of permission objects and archiving configuration
24.08.2016	Krzysztof Siwiec	2.20	Small corrections
10.06.2016	Damian Kaczmarek	0.93	Document translation.
24.05.2016	Łukasz Ozdarski	0.92	Class descriptions.
23.05.2016	Dariusz Grzelak	0.91	Permission objects.
20.05.2016	Łukasz Ozdarski	0.9	Document creation.

## 1. Product description and requirements

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Standard Audit File in SAP is an original product, prepared by BCC, whose task is to support users in preparing SAF (Standard Audit Files) directly in SAP ERP system, along with generating the declaration as a file in .XML format, enabling electronic dispatch of the declaration.

The solution allows individual and collective generation of listed structures:

- Structure 1 – g/l accounts,
- Structure 2 – bank statements,
- Structure 3 – warehouse,
- Structure 4 – VAT registry,
- Structure 5 – invoices,
- Structure 6 – revenue and expense ledger,
- Structure 7 – registry income.

### 1.1. Technical requirements

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Component	Recommended version
Kernel	6.0

### 1.1. Package Contents

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SNP product was prepared in a separate namespace /BCC/JPK. To the Customer Administrators Team exported transports are delivered containing a complete tool ready to test all processes offered by the product. Any additional needs can be satisfied by using the BAdI extending the functionality or by agreed with BCC changes in the functioning of the solution. The default configuration allows data analyzing from SAP tables and reading data previously saved using a tool. There is a possibility of extending functionality to support data read from other systems

## 2. Transactions and programs

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The tool includes the following transactions:

Transaction ID	Description of the transaction
/BCC/JPK	SAF Files - single generation
/BCC/JPKZ	Collective generation of SAF Files
/BCC/JPKR	SAF - Reports
/BCC/JPKV	SAF - Default variant
/BCC/JPKC	SAF - Configuration (including the reports structuring)
/BCC/JPKM	SAF – Merge files
/BCC/JPKRC	SAF – Configuration for reports

The programs included in the solution:

Program	Program description
/BCC/JPK	Standard Audit File
/BCC/JPK_ALL	Collective generation of SAF Files
/BCC/JPK_ALL_F01	Include /BCC/JPK_ALL_F01
/BCC/JPK_ALL_SCR	Include /BCC/JPK_ALL_SCR
/BCC/JPK_ALL_TOP	Include /BCC/JPK_ALL_TOP
/BCC/JPK_F01	Include /BCC/JPK_F01
/BCC/JPK_I01	Include /BCC/JPK_I01
/BCC/JPK_O01	Include /BCC/JPK_O01
/BCC/JPK_RAP	SAF Reports
/BCC/JPK_RAP_F01	Include /BCC/JPK_RAP_F01
/BCC/JPK_RAP_TOP	Include /BCC/JPK_RAP_TOP
/BCC/JPK_SCR	Include /BCC/JPK_SCR
/BCC/JPK_SCR_INIT	Include /BCC/JPK_SCR_INIT
/BCC/JPK_SUB_SCR	Include /BCC/JPK_SUB_SCR
/BCC/JPK_TOP	Include /BCC/JPK_TOP
/BCC/JPK_VAR_SCR	Development of SAF selection options
/BCC/JPK_MERGE	Merging saved SAF-T reports

## 2.1. /BCC/JPK

Main transaction used to generate SAF files according to given parameters. Fields shown here are identical as in the transactions **/BCC/JPKZ** and **/BCC/JPKV** - all three transactions use include **/BCC/JPK\_SUB\_SCR**.

**JPK = SAF - Standard Audit File**

Company Code: Y001  
 Date (from): 01.08.2009 Date (to): 30.09.2012  
 JPK file creation date:   
☒ Documents analysis  
☐ Read data from DB  
☐ Read JPK from archives

DB files  
 Backu.files

G/L Accounts Bank statements Warehouse VAT registry Invoices Rev&Ex.Le Registry income

G/L Account: 402200 to

Field	Description
Company Code	Company Code for which you want to run the program. Possibility of generation for one Company Code in one pass. The value component of the master key.
Date (from)	Beginning date of the period of analyzed documents. The exact field of date collection is defined by the parameters depend on the bookmark. The value component of the master key.
Date (to)	Ending date of the period of analyzed documents. The exact field of date collection is defined by the parameters depend on the bookmark. The value component of the master key.
Creation date	Creation date appearing in the output file. By default, the day of the analysis of documents.
Documents analysis	The analysis execution, data extraction from SAP tables based on the configuration tool. The analysis is performed for the active tab.
Read data from DB	Read of earlier performed analysis, which was saved after generation in database table - using the tool functionality available after analysis.
Read SAF from archives	Read of earlier performed analysis, which was saved after generation on the application server - using the tool functionality available after analysis.

**SAF Files - G/L Accounts**

Start date: 01.08.2009 End date: 29.09.2012  
 JPK file creation date:   
 Currency code: PLN ☐ JPK cor.  
 Tax office:   
 Company Code: Y001  
 Name: Tmłowy Sp. z o.o.  
 VAT Reg.No: PL9721091665 Street: Złotniki, ul. Krzemowa  
 Country ID: PL House number: 1  
 State: Flat No:   
 District: City: Suchy Las k. Poznań  
 Community: Postal code: 62-002

Inf.text:

G/L Acc.	G/L Acc Long Text	G/Ltyp	Group code	Group desc	Kod kat.	Cat.desc	Subcat.cod	Subcat.des	Op.Bal.S	Open. bal. H	Total Debit	Cumulative Dt	Total Credit	Cumulative Cr	Dt b
202100	Rozrach. z dost.kr.	B							0,00	361.916,95	1.458.349,86	1.548.055,59	3.246.847,02	3.507.301,70	
202200	Rozrach. z dost.zgr.	B							0,00	0,00	154.847,43	154.847,43	412.618,40	412.618,40	
221200	VAT należności	B							65.249,97	0,00	293.788,19	340.719,14	290.717,42	306.893,86	68.3
402200	Zużycie wody	W							0,00	0,00	0,00	0,00	0,00	0,00	
403100	Usługi transportowe	W							0,00	0,00	46.952,45	46.952,45	0,00	0,00	46.9
403120	Usługi telekomunikac	W							0,00	0,00	42,35	42,35	100,00	100,00	
403140	Usługi informatyczne	W							80,00	0,00	11.459,84	11.539,84	0,00	0,00	11.5
403150	Usługi banki i poczt.	W							0,00	0,00	290,00	290,00	0,00	0,00	2
403170	Usługi doradcze	W							0,00	0,00	0,00	0,00	0,00	0,00	
403900	Pozost. usługi obce	W							0,00	0,00	6.393,44	6.393,44	0,00	0,00	6.3
404900	Poz.podatki i opłaty	W							0,00	0,00	0,00	0,00	0,00	0,00	

Header data can be configured using **BAdI /BCC/JPK\_DOC**, automatically the data is extracted from Company Code data. Also functional buttons can be expanded using **BAdI /BCC/JPK\_IF\_EXT\_INIT** and **PROGNAME\_STATUS\_JPK** method.

## 2.2./BCC/JPKZ

This is a transaction for collective data analysis. Its greatest advantage in relation to the single data analysis transaction is the ability to perform in the background.

Selecting particular checkboxes decides on the execution of code fragments responsible for a given scheme.

Field	Description
Archiving SAF files	After the analysis execution, the report is saved on the application server - in a place previously configured.
Save data to DB	Saving of analysis results to the table <b>/BCC/JPK_DB_INDX</b>
Generate XML (without save)	After analysis execution, the results will be saved to an XML output file, without saving to the database table and archive. Save will be made to a local files, according to a locations provided below each structure on the selection screen. Not recommended with large volume of data.
Export data to XML file	The additional option enabling to expand above functions (archiving and saving to database table) for additional generation of an XML output files. The local directory compatible with the folders specified below each of the schemes or on the application server.
Generate SAF for every day	The tool enables you to select a range of days e.g. Documents date (from) 01.03.2016 to Documents date (to) 31.03.2016, and this option will enable the data saving broken down by particular days - 31 individual reports will be generated and stored separately. The control of dates will depend on specific selection parameters in each scheme. Specific day in some schemes will be a condition like Posting Date, VAT Date and analogously, depending on the configuration of selection screens of a particular Client.

Fields shown here are identical as the fields in the transaction **/BCC/JPK** and **/BCC/JPKV** - all three transaction are using include **/BCC/JPK\_SUB\_SCR**.

### 2.3./BCC/JPKR

Transaction used to view reports generated on the basis of configuration made in transaction **/BCC/JPKC**.

Field	Description
Company Code	Multiple choice field. Company Codes for which you want to view reports.
Documents Date	Range of dates of saved reports.
SAF Report ID	Configured before in transaction /BCC/JPKC report ID.

Based on the above parameters a window will be displayed with a proposal of reports. Indicate the reports to display.

The window displays the data based on records from **/BCC/JPK\_DB\_RAP** - Reports for SAF files. After accepting, the specific reports data are displayed from **/BCC/JPK\_DB\_INDX** - SAF Files - table type **INDX**, Records in the **JR** area . More about reports in the manual for transaction **/BCC/JPKC**.

On the report screen, in case of using quantitative fields, the field regarding the unit of quantitative field should be also included, and in case of using value field, the currency field for this value field should be also displayed. Missing fields of unit and currency can result in errors when adding up and other operations performed on the reports.

## 2.4./BCC/JPKV

This is a transaction for establishing a variant on the selection screens, which will be used when you start a transaction for SAF files generation - single or collective.

**Develop selection variants for JPK**

Company Code

G/L Accounts

G/L Account  to

Bank statements

House Bank  to

Account ID  to

G/L Account  to

Warehou

Plant

PZ

Document Type  to

Movement Type  to

WZ

Document Type  to

Movement Type  to

After filling consecutive parts of corresponding schemes, save the variant as "DEFAULT". The fields shown here are identical as the ones in transactions **/BCC/JPK/** and **/BCC/JPKZ** - all three transactions use include **/BCC/JPK\_SUB\_SCR**.

**Variant Attributes**

Copy Screen Assignment

Variant Name

Description

☐ Only for Background Processing  
☐ Protect Variant  
☐ Only Display in Catalog  
☐ System Variant (Automatic Transport)

Objects for selection screen

Selection Scrms	Field name	Type	Protect field	Hide field	Hide field 'BIS'	Save field with
1.000	Company Code	P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	G/L Account	S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	House Bank	S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	Account ID	S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.000	G/L Account	S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Scrn Assignm.

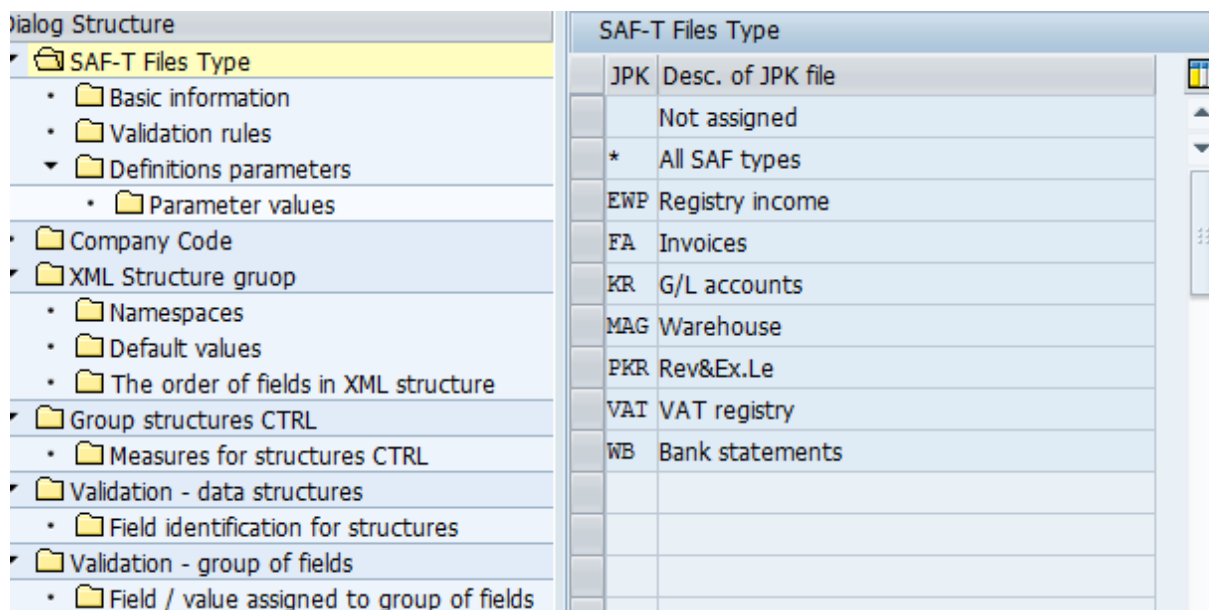
Created	Selection Scrms
<input checked="" type="checkbox"/>	1000
<input type="checkbox"/>	2000

In each transaction you can create additional variants, while the DEFAULT variant saved in **/BCC/JPKV** will be loaded by default when you start a transaction for generating SAF files.



## 2.5./BCC/JPKC

Transaction allowing to make some configuration and functional changes without the need for programming edit of the tool and creating pieces of new programs and functionalities.



Configuration shown on the screenshot refers to the configuration of XML output files. And so eg. for VAT invoices following structures are assigned:

**Display View "XML Structure grup": Overview**

XMLgr	XML group descr.	XML file version	Structure name	Value	Date input f
V100	VAT-7(15)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT7		✓	DD-MM-RRRF
V105	VAT-7(16)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT7		✓	DD-MM-RRRF
V110	VAT-7(17)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT7		✓	DD-MM-RRRF
V210	VAT-7K(11)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT7		✓	DD-MM-RRRF
V400	VAT-UE(3)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT...		✓	DD-MM-RRRF
V410	VAT-UE(4)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT...		✓	DD-MM-RRRF
V500	VAT-UEK3)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT...		✓	DD-MM-RRRF
V510	VAT-UEK(4)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT...		✓	DD-MM-RRRF
V600	VAT-27(1)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT...		✓	DD-MM-RRRF
V610	VAT-27(2)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT...		✓	DD-MM-RRRF
V700	VAT-27K(1)	<?xml version="1.0" enco.../BCCDVAT/_XML_VAT...		✓	DD-MM-RRRF
XF01	Plik JPK - FA - 2016...	<?xml version="1.0" enco.../BCC/JPK_XML_ST_FA		✓	YYYY-MM-DI
XK01	Plik JPK - KR - 2016...	<?xml version="1.0" enco.../BCC/JPK_XML_ST_KR		✓	YYYY-MM-DI
XM01	Plik JPK - MAG - 201...	<?xml version="1.0" enco.../BCC/JPK_XML_ST_M...		✓	YYYY-MM-DI
XV01	Plik JPK - VAT - 201...	<?xml version="1.0" enco.../BCC/JPK_XML_ST_V...		✓	YYYY-MM-DI
XV02	Plik JPK - VAT - 201...	<?xml version="1.0" enco.../BCC/JPK_XML_ST_V...		✓	YYYY-MM-DI
XV03	Plik JPK - VAT - 201...	<?xml version="1.0" enco.../BCC/JPK_XML_ST_V...		✓	YYYY-MM-DI
XW01	Plik JPK - WB - 201...	<?xml version="1.0" enco.../BCC/JPK_XML_ST_WB		✓	YYYY-MM-DI

The fields of each of them are easily editable.

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

XML group: XF01

Namespaces

Structure name	Field Name	It...	XML M...	Namespace	Namespace definition
/BCC/JPK_XML_S...	GMINA	1		def	
/BCC/JPK_XML_S...	KOD_KRAJU	1		def	
/BCC/JPK_XML_S...	KOD_POCZ...	1		def	
/BCC/JPK_XML_S...	MIEJSCOW...	1		def	
/BCC/JPK_XML_S...	NR_DOMU	1		def	
/BCC/JPK_XML_S...	NR_LOKALU	1		def	
/BCC/JPK_XML_S...	POCZTA	1		def	
/BCC/JPK_XML_S...	POWIAT	1		def	
/BCC/JPK_XML_S...	ULICA	1		def	
/BCC/JPK_XML_S...	WOJEWODZ...	1		def	
/BCC/JPK_XML_S...	J_P_K	1		ns	xmlns:ns="http://jpk.mf.gov.pl/wz
/BCC/JPK_XML_S...	J_P_K	2			xmlns:def="http://crd.gov.pl/xml/
/BCC/JPK_XML_S...	N_I_P	1		def	
/BCC/JPK_XML_S...	PELNA_NA...	1		def	
/BCC/JPK_XML_S...	R_E_G_O_N	1		def	

Dialog Structure

- SAF-T Files Type
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XML group: XF01

Default values

Structure name	Field Name	ItmNo.	+
/BCC/JPK_XML_...	WARTOSC_FAK...	1	0.00
/BCC/JPK_XML_...	P_1	1	1900-01-01
/BCC/JPK_XML_...	P_14_1	1	0.00
/BCC/JPK_XML_...	P_14_2	1	0.00
/BCC/JPK_XML_...	P_14_3	1	0.00
/BCC/JPK_XML_...	P_14_4	1	0.00
/BCC/JPK_XML_...	P_14_5	1	0.00
/BCC/JPK_XML_...	P_15	1	0.00
/BCC/JPK_XML_...	P_2_A	1	0
/BCC/JPK_XML_...	P_3_C	1	.
/BCC/JPK_XML_...	P_3_D	1	.
/BCC/JPK_XML_...	RODZAJ_FAKT...	1	POZ
/BCC/JPK_XML_...	STAWKA1	1	23.00
/BCC/JPK_XML_...	STAWKA2	1	8.00
/BCC/JPK_XML_...	STAWKA3	1	5.00
/BCC/JPK_XML_...	STAWKA4	1	0.00
/BCC/JPK_XML_...	STAWKA5	1	0.00
/BCC/JPK_XML_...	P_2_B	1	0
/BCC/JPK_XML_...	P_8_B	1	
/BCC/JPK_XML_...	WARTOSC_WIE...	1	0.00
/BCC/JPK_XML_...	CONTENT	1	JPK_FA
/BCC/JPK_XML_...	KOD_SYSTEMO...	1	JPK_FA (1)
/BCC/JPK_XML_...	WERSJA_SCHE...	1	1-0
/BCC/JPK_XML_...	CEL_ZLOZENIA	1	1
/BCC/JPK_XML_...	WARIANT_FOR...	1	1
/BCC/JPK_XML_...	TYP	1	G
/BCC/JPK_XML_...	TYP	1	G

**Display View "The order of fields in XML structure": Overview**

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure**
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

XML group:

The order of fields in XML structure

Structure name	Field Name	ItmNo.	Del.f
/BCC/JPK_XML_S...	DOMYSLNY_KOD_WALUTY	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	KOD_URZEDU	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	ADRES_PODMIOTU	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	IDENTYFIKATOR_PODMIO...	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	ADRES_KONTRAHENTA	40	<input type="checkbox"/>
/BCC/JPK_XML_S...	ADRES_NABYWICY	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	DATA_SPRZEDAZY	70	<input type="checkbox"/>
/BCC/JPK_XML_S...	DATA_WYSTAWIENIA	60	<input type="checkbox"/>
/BCC/JPK_XML_S...	DOWOD_SPRZEDAZY	50	<input type="checkbox"/>
/BCC/JPK_XML_S...	LP_SPRZEDAZY	10	<input type="checkbox"/>
/BCC/JPK_XML_S...	NAZWA_KONTRAHENTA	30	<input type="checkbox"/>
/BCC/JPK_XML_S...	NAZWA_NABYWICY	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	NR_DOKUMENTU	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	NR_KONTRAHENTA	20	<input type="checkbox"/>
/BCC/JPK_XML_S...	ADRES_DOSTAWCY	40	<input type="checkbox"/>
/BCC/JPK_XML_S...	ADRES_WYSTAWCY	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	DATA_WPLYWU	70	<input type="checkbox"/>
/BCC/JPK_XML_S...	DATA_WPLYWU_FAKTURY	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	DATA_ZAKUPU	60	<input type="checkbox"/>
/BCC/JPK_XML_S...	DOWOD_ZAKUPU	50	<input type="checkbox"/>
/BCC/JPK_XML_S...	LP_ZAKUPU	10	<input type="checkbox"/>
/BCC/JPK_XML_S...	NAZWA_DOSTAWCY	30	<input type="checkbox"/>
/BCC/JPK_XML_S...	NAZWA_WYSTAWCY	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	NR_DOSTAWCY	20	<input type="checkbox"/>
/BCC/JPK_XML_S...	NR_FAKTURY	0	<input checked="" type="checkbox"/>
/BCC/JPK_XML_S...	NR_ID_WYSTAWCY	0	<input checked="" type="checkbox"/>

## 2.6. /BCC/JPKRC

Very important functionality of transaction /BCC/JPKRC is the ability to generate reports at several stages of tool functioning.

**Display View "Reports": Overview**

Dialog Structure

- Value groups
  - Values
- Reports**
  - Reports fields
  - Summaries
  - Actions

Reports

ID JPK	Active	General text	CoCd
FA01	<input checked="" type="checkbox"/>	Wartość faktury	*
FA02	<input type="checkbox"/>	Wartość faktur - 2	Y001
KR01	<input checked="" type="checkbox"/>	KR - konta KG	*
KR51	<input checked="" type="checkbox"/>	KR - pozycje pojedyncze KG	*
VT01	<input checked="" type="checkbox"/>	VAT - pozycje deklaracji (Podstawa, VAT) (nowe)	*
VT02	<input checked="" type="checkbox"/>	VAT - pozycje deklaracji (Podstawa, VAT) XML	*
VT05	<input type="checkbox"/>	VAT - netto, brutto, rodzaj VAT ( stare )	*
VI51	<input checked="" type="checkbox"/>	VAT - pozycje deklaracji (Kod VAT Podstawa, VAT)	*
VI52	<input checked="" type="checkbox"/>	VAT - pozycje deklaracji (Podstawa, VAT)	*
WB51	<input checked="" type="checkbox"/>	WB - pozycje wyciągów (bank, waluta )	*
Z001	<input checked="" type="checkbox"/>	VAT - pozycje deklaracji (Podstawa, VAT)	*
ZKR5	<input checked="" type="checkbox"/>	KR - pozycje pojedyncze KG	*
ZT01	<input checked="" type="checkbox"/>	VAT - pozycje deklaracji (Podstawa, VAT) (nowe0	*
ZV01	<input checked="" type="checkbox"/>	VAT - NIP, podst,VAT	*
ZV02	<input checked="" type="checkbox"/>	VAT - NIP, podst,VAT - stara stkr	*
ZV03	<input checked="" type="checkbox"/>	VAT - NIP, podst,VAT - xml	*
ZV04	<input checked="" type="checkbox"/>	VAT - NIP, podst,VAT - xml	*
ZV11	<input checked="" type="checkbox"/>	VAT - pozycje deklaracji (Podstawa,kod,vat)	*

Stages during which the execution of report can be triggered according to indicated specification are:

- Saving of line items to database tables or archiving - at this stage data could be modified in relation to reading (perform of the operation on data items)

- Saving of documents to database tables or archiving - at this stage data could be modified in relation to reading (perform of the operation on data header)
- XML: line items - report rules execution on the data exported to the output XML file (perform of the operation on data items)
- XML: documents - report rules execution on the data exported to the output XML file (perform of the operation on data header)
- Read - analysis of the line items of the source data (perform of the operation on data items)
- Read - analysis of the documents of the source data (perform of the operation on data header)

Execution of the report at several stages of processing allows to verify (with the large volumes of data) consistency of initially analyzed data and saved to the output file.

The fields of report can be saved for each record separately (all fields) or aggregated according to established parameters.

**Display View "Reports": Details**

Dialog Structure

- Value groups
  - Values
- Reports
  - Reports fields
  - Summaries
    - Actions

JPK ID report: FA01

Reports

☒ Active

General text: Wartość faktury

Company Code: \*

JPK file type: FA Faktury VAT

Rep.type: SH

Structure: /BCC/JPK\_ST\_FA\_DOK

☐ All fields

In this case, the aggregation occurred after the VAT type of documents.

**JPK Raport - KR - konta KG**

CoCode	JPKfil	ID JPK	Doc.dat.from	Doc. date to	G/L Acc	Total Debit	Total Credit
Y001	KR	KR01	05.01.2000	12.01.2015	402200	21.869,16	14.579,44
Y001	KR	KR01	05.01.2000	12.01.2015	403100	65.513,78	0,00
Y001	KR	KR01	05.01.2000	12.01.2015	403120	62.524,35	15.704,50
Y001	KR	KR01	05.01.2000	12.01.2015	403140	32.468,59	0,00
Y001	KR	KR01	05.01.2000	12.01.2015	403150	396,96	0,00
Y001	KR	KR01	05.01.2000	12.01.2015	403170	12.201,74	0,00
Y001	KR	KR01	05.01.2000	12.01.2015	403900	40.671,93	10.409,84

The VAT amount has been calculated on the basis of following actions on the fields. Name of the field is the field shown on the report screen. The source field is the second value to the actions defined by action operator. Both fields must be located in the used structure.

**Display View "Reports fields": Overview**

Dialog Structure

- Value groups
  - Values
- Reports
  - Reports fields
  - Summaries
    - Actions

JPK ID report FA01

Field Name	Source field - v...	Short	Long field label
BBRUTIO		GrossAmnt	Gross amount
BMWST		VAT	Value-added tax
BNETTO		Net amount	Net amount
WAERS		Crcy	Currency

More about reports in the manual for transaction **/BCC/JPKR**.

### 3. BAdI, extensions.

Enhancement spot	Description
/BCC/JPK_EXT	SAF-T Extensions

You can analyze the preview of planned BAdI of the Enhancement Spot /BCC/JPK\_EXT (transaction SE18).

Enhancement Spot		/BCC/JPK_EXT	Active
Attributes	Enhancem. Implementations	Technical Details	Enh. Spot Element Definitions
Referenced Objects			
Object Type	Enhanced Object	Enhancement Impl.	Status PgID Element Usage Object Type Main Object Main Object Automatic Transport
Interface	/BCC/JPK_IF_EXT_BDB	Initial	R3TR Used Object Interface /BCC/JPK_IF_EXT_BDB
Interface	/BCC/JPK_IF_EXT_DOC	Initial	R3TR Used Object Interface /BCC/JPK_IF_EXT_DOC
Interface	/BCC/JPK_IF_EXT_FA	Initial	R3TR Used Object Interface /BCC/JPK_IF_EXT_FA
Interface	/BCC/JPK_IF_EXT_INIT	Initial	R3TR Used Object Interface /BCC/JPK_IF_EXT_INIT
Interface	/BCC/JPK_IF_EXT_XML	Initial	R3TR Used Object Interface /BCC/JPK_IF_EXT_XML
Interface	/BCC/JPK_IF_STAND_EXT	Initial	R3TR Used Object Interface /BCC/JPK_IF_STAND_EXT

- /BCC/JPK\_BDB - Save/Read from database table and archive

Classes/Interfaces	Found Locations/Short Description
/BCC/JPK_CL_DB	
<input type="checkbox"/> Private Section <input type="checkbox"/> CONSTRUCTOR <input type="checkbox"/> READ_ARCH <input type="checkbox"/> WRITE_ARCH	

- /BCC/JPK\_DOC – SAF

Classes/Interfaces	Short Descript.
/BCC/JPK_CL_BADI	
<input type="checkbox"/> BD_MODIFY_POS <input type="checkbox"/> BD_MODIFY_TAB_FIELD <input type="checkbox"/> BD_READ_DOC_AFT <input type="checkbox"/> BD_READ_DOC_BEH <input type="checkbox"/> BD_HOTSPOT_CLICK <input type="checkbox"/> BD_FILL_TAB_ALV <input type="checkbox"/> BD_INIT_HEAD <input type="checkbox"/> BD_VALID_READ_DOC <input type="checkbox"/> BD_MODIFY_MODIFY_TAB_EXCL <input type="checkbox"/> BD_OK_CODE <input type="checkbox"/> BD_ADD_HEAD_DOC <input type="checkbox"/> BD_ADD_ITEM_DOC <input type="checkbox"/> BD_MODIFY_WHERE <input type="checkbox"/> BD_SAVE_FILL_INIT <input type="checkbox"/> BD_SAVE_FILL <input type="checkbox"/> BD_READ_ADRS	
ZCL_BADI_TEST_DOC	
<input type="checkbox"/> Public Section	
ZDG_JPK_CL_BASE	
<input type="checkbox"/> INIT_HEAD	

### • /BCC/JPK\_FA – SAF - Invoices

Classes/Interfaces	Short Descript.
<b>/BCC/JPK_CL_EXT_FA</b>	
<input type="checkbox"/> /BCC/JPK_IF_EXT_FA-READ_WARCEN	
<input type="checkbox"/> /BCC/JPK_IF_EXT_FA-INV_DOCUMENT_READ	
<input type="checkbox"/> /BCC/JPK_IF_EXT_FA-DOC_HEAD	
<input type="checkbox"/> /BCC/JPK_IF_EXT_FA-DOC_ITEM	
<input type="checkbox"/> /BCC/JPK_IF_EXT_FA-RODZ_FAKT	
<input type="checkbox"/> /BCC/JPK_IF_EXT_FA-INV_ZK_DOCUMENT_READ	
<input type="checkbox"/> Public Section	
<b>/BCC/JPK_CL_FA_SP</b>	
<input type="checkbox"/> /BCC/JPK_IF_EXT_DOCFA-READ_DOC_REF	
<input type="checkbox"/> RODZ_FAKT	
<input type="checkbox"/> /BCC/JPK_IF_EXT_DOCFA-ADD_DOC	
<input type="checkbox"/> ADD_DOCFA_KORSD	
<input type="checkbox"/> READ_WARCEN	
<input type="checkbox"/> ADD_ITEM_SD	
<input type="checkbox"/> ADD_ITEM_FI	
<b>/BCC/JPK_CL_FA_ZK</b>	
<input type="checkbox"/> /BCC/JPK_IF_EXT_DOCFA-ADD_DOC	
<input type="checkbox"/> /BCC/JPK_IF_EXT_DOCFA-READ_DOC_REF	
<input type="checkbox"/> RODZ_FAKT	
<input type="checkbox"/> ADD_DOCFA_KORZK	
<input type="checkbox"/> ADD_ITEM_FI	
<input type="checkbox"/> ADD_ITEM_ZK	

### • /BCC/JPK\_INIT - Data initiation

Classes/Interfaces	Short Descript.
<b>/BCC/JPK_CL_BASE</b>	
<input type="checkbox"/> CONSTRUCTOR	
<b>/BCC/JPK_CL_DATA</b>	
<input type="checkbox"/> MODIFY_TEXT	
<b>/BCC/JPK_CL_DOCFI</b>	
<input type="checkbox"/> CALC_TAX_NETTO	
<b>/BCC/JPK_CL_EXT_INIT</b>	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-CLASS_DOC	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-PROGNAME_STATUS_JPK	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-CLASS_DOCMM	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-FM_BALACE_SAKNR	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-FM_READ_FI_SKB1	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-FM_BALANCE_SAKNR	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-CLASS_DOCFA	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-FM_CALC_TAX_NETTAMOUNT	
<input type="checkbox"/> Public Section	
<b>/BCC/JPK_CL_FA</b>	
<input type="checkbox"/> VALUE_STR_XML	
<input type="checkbox"/> HANDLE_IMPORT_DOCFI	
<input type="checkbox"/> ADD_XML	
<b>/BCC/JPK_CL_MAG</b>	
<input type="checkbox"/> ADD_ITEM_DOC	
<input type="checkbox"/> ADD_DOC_XML	
<input type="checkbox"/> CLEAR_NUM_MAG	
<b>/BCC/JPK_CL_MAG_MM</b>	
<input type="checkbox"/> /BCC/JPK_IF_EXT_DOCMM-ADD_DOC	
<b>/BCC/JPK_CL_MAG_WZ</b>	
<input type="checkbox"/> /BCC/JPK_IF_EXT_DOCMM-ADD_DOC	
<b>ZCL_BADI_TEST_INIT</b>	
<input type="checkbox"/> /BCC/JPK_IF_EXT_INIT-PROGNAME_STATUS_JPK	
<input type="checkbox"/> Public Section	

Program	Short description
<input type="checkbox"/> /BCC/JPK_ALL_F01	
<input type="checkbox"/> /BCC/JPK_O01	
<input type="checkbox"/> /BCC/LJPK_GFU06	
<input type="checkbox"/> /BCC/LJPK_GFU07	

### • /BCC/JPK\_STAND\_EXT - Standard extensions

Classes/Interfaces	Short Descript.
/BCC/JPK_CL_DATA_EVENT	
<input checked="" type="checkbox"/> CONSTRUCTOR	
/BCC/JPK_CL_EXT_RAPORT	
<input type="checkbox"/> /BCC/JPK_IF_STAND_EXT~INIT_EXTENSION	
<input type="checkbox"/> Public Section	

- /BCC/JPK\_XML - Filling XML structure

Classes/Interfaces	Short Descript.
/BCC/JPK_CL_BADI	
<input checked="" type="checkbox"/> BD_XML_STRUCT_JPK	
<input type="checkbox"/> BD_XML_STRUCT_HEAD	
<input type="checkbox"/> BD_XML_CTRL_AFTER	
<input type="checkbox"/> BD_XML_CTRL_BEFORE	
<input type="checkbox"/> BD_XML_DOCUMENT	
<input type="checkbox"/> BD_XML_POS_DOCUMENT	

All classes have a single interface - /BCC/JPK\_IF\_ALL and /BCC/JPK\_IF\_DATA

### Extensions implementation

At first, one should choose which extension should be used. For that one can use:

- the SE18 transaction for the Enhancement Spot /BCC/JPK\_EXT,
- forum <https://jpk.bcc.com.pl>
- e-mail support at [jpk@bccgroup.com](mailto:jpk@bccgroup.com).

Than usually in transaction SE19 one creates Enhancement /BCC/JPK\_EXT implementation in the user namespace e.g.:

Create Enhancement Implementation

Enhancement Implementation: ZJPK\_EI\_EXT

Short Text: Rozszerzenia JPK

Composite Enhancement Implementation:

Buttons: [Help] [Save] [OK] [Cancel]



Further for a choosen BAdI definition (let us assume JPK\_DOC as an example) one should assign:

The screenshot shows the 'Create BAdI Implementation' dialog box. It has two main sections: 'Definition' and 'Implementation'. In the 'Definition' section, 'Enhancement Spot' is set to '/BCC/JPK\_EXT' and 'BAdI Definition' is set to '/BCC/JPK\_DOC'. In the 'Implementation' section, 'BAdI Implementation' is set to 'ZJPK\_IB\_DOC\_VAT', 'Implementing Class' is set to 'ZJPK\_CL\_DOC\_VAT', and 'Short Text' is set to 'Changes to JPK documents - VAT'. There are green and red checkmark buttons at the bottom right.

Note, that BAdI implementations should be created separately for different JPK/SAF-T file types (example of BADI implementation name ZJPK\_IB\_DOC\_VAT). The separation is obtained by placing filter value for the field IV-JPK-TYP (in this example IV\_JPK\_TYP="VAT"). This allows writing code for specific JPK/SAF-T file in each implemented method.

The screenshot shows the 'Wart.filtr' (Filter) configuration screen. It has a toolbar with buttons for 'Kombinacja', 'Wart.filtr.', and logical operators 'AND' and 'OR'. Below the toolbar is a table with columns: 'Kombinacje filtrów', 'Wł...', 'Wartość 1', 'Op. ...', 'Filtr', 'Op. ...', and 'Wartość 2'. The first row shows 'Kombinacja 1' with a filter value of 'VAT' for the field 'IV\_JPK\_TYP'.

Examples of BAdI implementation code can be found at the JPK/ SAF-T BCC forum <https://jpk.bcc.com.pl/viewforum.php?f=6&sid=7>

#### Additional selection fields for /BCC/JPK and /BCC/JPKZ transactions

For each JPK/ SAF-T type selection screen new fields can be added - /BCC/JPK\_SUB\_SCR

It is recommended to use includes for that purpose - include **ZXJPK\_DYN\_\*** (where \* is JPK/ SAF-T type), and the relevant texts definition should be put into **ZXJPK\_INITIAL (JPK)** and **ZXJPK\_ALL\_INITIAL (JPKZ)**.

Later, to access the previously defined screen extensions in a BADI implementation e.g.: np. ZCL\_BADI\_JPK\_DOK\_\*, one can use the code shown below.

Example of code reading selection screen fields S4\_BLART (selection option) i P\_BUKRS (single parameter) into variables lr\_blart and lv\_bukrs:

```
/bcc/jpk_cl_data=>append_so( EXPORTING iv_so = 'S4_BLART' CHANGING ot_so = lr_blart ).
/bcc/jpk_cl_data=>add_param( EXPORTING iv_param = 'P_BUKRS' CHANGING ov_param = lv_bukrs ).
```

#### 4. Tables and structures

---

Table name	Short description
/BCC/JPK_DB	SAF files status
/BCC/JPK_DB_C01	SAF master data
/BCC/JPK_DB_C02	SAF - Reports
/BCC/JPK_DB_C03	SAF - Reports - structure fields
/BCC/JPK_DB_INDX	SAF files - table type INDX
/BCC/JPK_DB_RAP	Reports for SAF files
/BCC/JPK_DB_TMP	Auxiliary table for archiving JPK
/BCC/JPK_RAPDB_V	Generated table for insight

Name of the table type	Short description
/BCC/JPK_TT_BSEG	FI document line items
/BCC/JPK_TT_BSET	BSET
/BCC/JPK_TT_FA_WIER	FA - lines (document line items)
/BCC/JPK_TT_FCAT_DB	The fields in the SAF structure
/BCC/JPK_TT_GLT0	Master data of G/L account: Turnover on account
/BCC/JPK_TT_KOMV	Communication record of pricing conditions
/BCC/JPK_TT_KSCHL	Table range for KSCHL
/BCC/JPK_TT_RSEG	Positions of the incoming invoice
/BCC/JPK_TT_VALUE	Field values
/BCC/JPK_TT_VAL_TAB	Fields values in the tables
/BCC/JPK_TT_VBRP	Invoice: Line items data
/BCC/JPK_XML_TT_EWP_WIER	SAF EWP - Lines
/BCC/JPK_XML_TT_FA_FAKT	SAF FA - Invoices
/BCC/JPK_XML_TT_FA_WIER	SAF FA - Lines
/BCC/JPK_XML_TT_KR_DZGL	SAF KR - Journal
/BCC/JPK_XML_TT_KR_KZAP	SAF KR - Account record
/BCC/JPK_XML_TT_KR_ZOIS	SAF KR - Trial balance
/BCC/JPK_XML_TT_MAG_MM_WART	SAF MAG - MM Values
/BCC/JPK_XML_TT_MAG_MM_WIER	SAF MAG - MM Lines
/BCC/JPK_XML_TT_MAG_PZ_WART	SAF MAG - PZ Values
/BCC/JPK_XML_TT_MAG_PZ_WIER	SAF MAG - PZ Lines
/BCC/JPK_XML_TT_MAG_RW_WART	SAF MAG - RW Values
/BCC/JPK_XML_TT_MAG_RW_WIER	SAF MAG - RW Lines
/BCC/JPK_XML_TT_MAG_WZ_WART	SAF MAG - WZ Values
/BCC/JPK_XML_TT_MAG_WZ_WIER	SAF MAG - WZ Lines
/BCC/JPK_XML_TT_VAT_SP_WIER	SAF VAT - Sale
/BCC/JPK_XML_TT_VAT_ZK_WIER	SAF VAT - Purchase
/BCC/JPK_XML_TT_WB_WYCW	SAF WB - Lines

### • /BCC/JPK\_DB SAF files status

Table **/BCC/JPK\_DB** is an informational table. Which files have been created, which status they have and an informational field. File ID connecting to the table **/BCC/JPK\_DB\_INDX**

Transp. Table	/BCC/JPK_DB	Active					
Short Description	JPK files status						
<div>Attributes</div> <div>Delivery and Maintenance</div> <div>Fields</div> <div>Entry help/check</div> <div>Currency/Quantity Fields</div>							
<div> </div> <div> </div> <div> <div>Srch Help</div> <div>Predefined Type</div></div>							
Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client
BUKRS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BUKRS	CHAR	4	0	Company Code
TYP_JPK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_TYP	CHAR	3	0	JPK file type
DATAOD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_DAT...	DATS	8	0	Date from
DATADO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_DAT...	DATS	8	0	Date to
WERJPK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_WER...	NUMC	2	0	JPK file version
TXIJPK	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_TXI...	CHAR	128	0	JPK - information text
EXJPK	<input type="checkbox"/>	<input type="checkbox"/>	XFELD	CHAR	1	0	Checkbox
DATA_JPK	<input type="checkbox"/>	<input type="checkbox"/>	DATS	DATS	8	0	Field of type DATS
UNAME_JPK	<input type="checkbox"/>	<input type="checkbox"/>	UNAME	CHAR	12	0	User Name
SAVEDB	<input type="checkbox"/>	<input type="checkbox"/>	XFELD	CHAR	1	0	Checkbox
SRIFD	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_SRT...	CHAR	30	0	User-defined key in table INDX
NOEDIT	<input type="checkbox"/>	<input type="checkbox"/>	XFELD	CHAR	1	0	Checkbox
TEST_WRITE_ARCH	<input type="checkbox"/>	<input type="checkbox"/>	XFELD	CHAR	1	0	Checkbox
TEST_END_ARCH	<input type="checkbox"/>	<input type="checkbox"/>	XFELD	CHAR	1	0	Checkbox
ARKEY	<input type="checkbox"/>	<input type="checkbox"/>	ARKEY	CHAR	20	0	Key for Archive File
TEXT_ARKEY	<input type="checkbox"/>	<input type="checkbox"/>	TEXT40	CHAR	40	0	Text, 40 Characters Long

### • /BCC/JPK\_DB\_C01 SAF Master data

A table containing configuration data of XML Structure Groups, specifying the structures to generate XML files. Configuration data in the transaction **/BCC/JPKC**

Transp. Table

/BCC/JPK\_DB\_C01

Active

Short Description

JPK Master data






Attributes





Delivery and Maintenance


Fields

Entry help/check

Currency/Quantity Fields





 Srch Help

Predefined Type

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client
TYPJPK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_TYP	CHAR	3	0	JPK file type
DATAOD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_DAT ...	DATS	8	0	Date from
GRXML	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/ED_GRXML	CHAR	4	0	XML group
ACTIVE_CTRL	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_ACT ...	CHAR	1	0	Check structures - activation
GRXML_CTRL	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_GRX ...	CHAR	4	0	Group XML - control structure
DOKXML	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_DOK ...	DEC	6	0	Maximum number of documents in XML file
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	CI_JPK_DB_TYP	STRU	0	0	

- **/BCC/JPK DB C02**      SAF - Reports

A table containing configuration data of SAF Reports specifying structures to generate reports.  
Configuration data in transaction /BCC/JPKC

Transp. Table    /BCC/JPK\_DB\_C02    Active

Short Description    JPK - reports

---

**Attributes**    Delivery and Maintenance    Fields    Entry help/check    Currency/Quantity Fields

---

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Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3		Client
RAPJPK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_RAP...	CHAR	4		JPK ID report
ACTVT	<input type="checkbox"/>	<input type="checkbox"/>	ACT	CHAR	1		Indicator: Status is active
TEXTTRAP	<input type="checkbox"/>	<input type="checkbox"/>	TXT50_ALLG	CHAR	50		General descriptive field
BUKRS	<input type="checkbox"/>	<input type="checkbox"/>	BUKRS	CHAR	4		Company Code
TYPJPK	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_TYP	CHAR	3		JPK file type
RODZRAP	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_ROD...	CHAR	2		Report type
STRNAME	<input type="checkbox"/>	<input type="checkbox"/>	STRNAME	CHAR	30		Name of internal structure
ALLFIELD	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_ALL...	CHAR	1		All structure fields

• /BCC/JPK DB C03      SAF - Reports – structure fields

A table containing configuration data of fields of SAF Reports used to generate value of fields in reports. Configuration data in transaction /BCC/JPKC

Transp. Table ☒ BCC/JPK\_DB\_C03 ☐ Active

Short Description JPK - reports - structure fields

Attributes Delivery and Maintenance Fields Entry help/check Currency/Quantity Fields

Field Key In... Data element Data Type Length Deci... Short Description

MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client
RAPJPK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_RAP...	CHAR	4	0	JPK ID report
FIELDNAME	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	FIELDNAME	CHAR	30	0	Field Name
FIELDSOUR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_FIE...	CHAR	30	0	Source field
OPERAT	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_OPE...	CHAR	1	0	Action operator
ORDNO	<input type="checkbox"/>	<input type="checkbox"/>	ORDNO	NUMC	3	0	Sequence

- **/BCC/JPK DB INDX**      SAF Files – table type INDX

The index table with dynamically (!) saved structure of fields. Its construction makes it possible to dynamically change the saved structure of reports [JR] and files [AR]. During saving firstly the header and document data are saved, the structures are generated, then the data and during reading analogously.

Transp. Table  Active

Short Description

Attributes Delivery and Maintenance Fields Entry help/check Currency/Quantity Fields

Field Key In... Data element Data Type Length Deci... Short Description

MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3		0 Client
RELID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INDX_RELID	CHAR	2		0 Region in IMPORT/EXPORT Data Table
SRTFD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_SRT...	CHAR	30		0 User-defined key in table INDX
SRTF2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INDX_SRTF2	INT4	10		0 Next record counter in EXPORT/IMPORT data tables
CLUSIR	<input type="checkbox"/>	<input type="checkbox"/>	INDX_CLSTR	INT2	5		0 Length field for user data in EXPORT/IMPORT tables
CLUSTD	<input type="checkbox"/>	<input type="checkbox"/>	INDX_CLUST	LRAW	2886		0 Data field for IMPORT/EXPORT database tables

### • /BCC/JPK\_DB\_RAP Reports for SAF files

A table containing the identification data of saved reports to the Database.

Transp. Table /BCC/JPK\_DB\_RAP ☐ Active

Short Description Reports for JPK files

Attributes Delivery and Maintenance Fields Entry help/check Currency/Quantity Fields

1 / 10

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description	Group
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3		0 Client	
SRIFD_RJPK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	/BCC/JPK_ED_SRI...	CHAR	30		0 User-defined key in table INDX	
RAPJPK	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_RAP...	CHAR	4		0 JPK ID report	
BUKRS	<input type="checkbox"/>	<input type="checkbox"/>	BUKRS	CHAR	4		0 Company Code	
WERJPK	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_WER...	NUMC	2		0 JPK file version	
DATAOD	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_DAT...	DATS	8		0 Date from	
DATAOD	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ED_DAT...	DATS	8		0 Date to	
UNAME	<input type="checkbox"/>	<input type="checkbox"/>	UNAME	CHAR	12		0 User Name	
DATUM	<input type="checkbox"/>	<input type="checkbox"/>	DATUM	DATS	8		0 Date	
UZEIT	<input type="checkbox"/>	<input type="checkbox"/>	UZEIT	TIMS	6		0 Time	

### • /BCC/JPK\_DB\_TMP Auxiliary table for archiving SAF

Temporary table used in the archiving process on the application server.

Transp. Table /BCC/JPK\_DB\_TMP ☐ Active

Short Description Subsidiary table for JPK archiving

Attributes Delivery and Maintenance Fields Entry help/check Currency/Quantity Fields

1 / 10

Field	Key	Ini...	Data element	Data Type	Length	Deci...	Short Description	Group
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3		0 Client	
TABIX	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SYINDEX	INT4	10		0 Loop Index	
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ST_VAL...	STRU	0		0 Fields values in tables	
TYPOZ	<input type="checkbox"/>	<input type="checkbox"/>	CHAR1	CHAR	1		0 Single-Character Indicator	
POSIT	<input type="checkbox"/>	<input type="checkbox"/>	SYTABIX	INT4	10		0 Index of Internal Tables	
.INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	/BCC/JPK_ST_VAL...	STRU	0		0 Field values	
FIELD	<input type="checkbox"/>	<input type="checkbox"/>	FIELDNAME	CHAR	30		0 Field Name	
VALUE	<input type="checkbox"/>	<input type="checkbox"/>		STRING	0		0	

**Structures occurring in the tool:**

<b>Name of the structure</b>	<b>Short description</b>
/BCC/JPK_ST_ARCH	The data structure for SAF files archiving
/BCC/JPK_ST_EWP_DOK	EWP - Records of revenue
/BCC/JPK_ST_EWP_ITEM	EWP - Line items
/BCC/JPK_ST_FA_DOK	FA - Documents
/BCC/JPK_ST_FA_WIER	FA - Lines (document line items)
/BCC/JPK_ST_FCAT_DB	The fields in the structure
/BCC/JPK_ST_HEAD	Header data
/BCC/JPK_ST_KR_DZKG	KR: Journal - General Ledger
/BCC/JPK_ST_KR_ZOIS	KR: Trial Balance
/BCC/JPK_ST_KSCHL	The range structure for KSCHL
/BCC/JPK_ST_MAG_DOK	MAG - Documents
/BCC/JPK_ST_MAG_WIER	MAG - Lines (line items)
/BCC/JPK_ST_OLD	The structure with the unused data elements
/BCC/JPK_ST_PKR_DOK	PKR - Tax Revenue and Expense Ledger
/BCC/JPK_ST_PKR_ITEM	PKR - Line items
/BCC/JPK_ST_RAP	JPK - Reporting (ALV)
/BCC/JPK_ST_VALUE	Field values
/BCC/JPK_ST_VAL_TAB	Fields values in the tables
/BCC/JPK_ST_VAT_DOK	VAT - Documents
/BCC/JPK_ST_VAT_WIER	VAT - Lines (document line items)
/BCC/JPK_ST_WB_ACC	WB - bank accounts
/BCC/JPK_ST_WB_POS	WB - bank statement line items
/BCC/JPK_XML_ST_ADRS_PODMIOT	SAF - Address of the Entity
/BCC/JPK_XML_ST_EWP	The XML structure for SAF EWP
/BCC/JPK_XML_ST_EWP_CTRL	SAF EWP - Lines
/BCC/JPK_XML_ST_EWP_JPK	SAF - WB
/BCC/JPK_XML_ST_EWP_WIER	SAF EWP - Lines
/BCC/JPK_XML_ST_FA	The XML structure for JPK FA
/BCC/JPK_XML_ST_FAK_CTRL	SAF - FA - Structure Control
/BCC/JPK_XML_ST_FAK_CTRL_DATA	SAF - FA - Control Data
/BCC/JPK_XML_ST_FA_CTRL	SAF FA - Ctrl
/BCC/JPK_XML_ST_FA_FAKT	SAF FA - Invoices
/BCC/JPK_XML_ST_FA_JPK	SAF - FA
/BCC/JPK_XML_ST_FA_STPOD	SAF FA - Tax rates
/BCC/JPK_XML_ST_FA_WIER	SAF FA - Lines
/BCC/JPK_XML_ST_FA_WIER_CTRL	SAF FA - Ctrl
/BCC/JPK_XML_ST_ID_PODMIOT	SAF - Entity ID
/BCC/JPK_XML_ST_KODFORM	SAF: Form Code
/BCC/JPK_XML_ST_KR	XML Structure for SAF KR
/BCC/JPK_XML_ST_KR_CTRL	SAF - KR - Structure Control
/BCC/JPK_XML_ST_KR_CTRL_DATA	SAF KR - Journal
/BCC/JPK_XML_ST_KR_DZGL	SAF KR - Journal Ctrl
/BCC/JPK_XML_ST_KR_DZGL_CTRL	SAF: Form Code

Name of the structure	Short description
/BCC/JPK_XML_ST_KR_JPK	SAF - KR
/BCC/JPK_XML_ST_KR_KZAP	SAF KR – Account entry
/BCC/JPK_XML_ST_KR_KZAP_CTRL	SAF KR – Account entry Ctrl
/BCC/JPK_XML_ST_KR_ZOIS	SAF KR – Trial balance
/BCC/JPK_XML_ST_MAG	XML Structure for SAF MAG
/BCC/JPK_XML_ST_MAG_CTRL	SAF - MAG – Structure Control
/BCC/JPK_XML_ST_MAG_CTRL_DATA	SAF - MAG – Control Data
/BCC/JPK_XML_ST_MAG_JPK	SAF - MAG
/BCC/JPK_XML_ST_MAG_MM	SAF MAG - MM
/BCC/JPK_XML_ST_MAG_MM_CTRL	SAF MAG - MM - Ctrl
/BCC/JPK_XML_ST_MAG_MM_WART	SAF MAG - MM Values
/BCC/JPK_XML_ST_MAG_MM_WIER	SAF MM - Lines
/BCC/JPK_XML_ST_MAG_PZ	SAF MAG - PZ
/BCC/JPK_XML_ST_MAG_PZ_CTRL	SAF MAG - PZ - Ctrl
/BCC/JPK_XML_ST_MAG_PZ_WART	SAF MAG – PZ Values
/BCC/JPK_XML_ST_MAG_PZ_WIER	SAF PZ - Lines
/BCC/JPK_XML_ST_MAG_RW	SAF MAG - RW
/BCC/JPK_XML_ST_MAG_RW_CTRL	SAF MAG - RW - Ctrl
/BCC/JPK_XML_ST_MAG_RW_WART	SAF MAG - RW Values
/BCC/JPK_XML_ST_MAG_RW_WIER	SAF RW - Lines
/BCC/JPK_XML_ST_MAG_WZ	SAF MAG - WZ
/BCC/JPK_XML_ST_MAG_WZ_CTRL	SAF MAG - WZ - Ctrl
/BCC/JPK_XML_ST_MAG_WZ_WART	SAF MAG - WZ Values
/BCC/JPK_XML_ST_MAG_WZ_WIER	SAF WZ - Lines
/BCC/JPK_XML_ST_NAGLOWEK	SAF - Heading
/BCC/JPK_XML_ST_PKR	XML Structure for SAF PKR
/BCC/JPK_XML_ST_PKR_JPK	SAF - PKR
/BCC/JPK_XML_ST_PODMIOT	SAF - Entity
/BCC/JPK_XML_ST_VAT	XML Structure for SAF VAT
/BCC/JPK_XML_ST_VAT_CTRL	SAF - VAT – Structure Control
/BCC/JPK_XML_ST_VAT_CTRL_DATA	SAF - VAT – Control Data
/BCC/JPK_XML_ST_VAT_JPK	SAF - VAT
/BCC/JPK_XML_ST_VAT_SP_CTRL	SAF VAT - Sale Ctrl
/BCC/JPK_XML_ST_VAT_SP_WIER	SAF VAT - Sale
/BCC/JPK_XML_ST_VAT_ZK_CTRL	SAF VAT - Purchase Ctrl
/BCC/JPK_XML_ST_VAT_ZK_WIER	SAF VAT - Purchase
/BCC/JPK_XML_ST_WB	XML Structure for JPK WB
/BCC/JPK_XML_ST_WB_CTRL	SAF - WB – Structure Control
/BCC/JPK_XML_ST_WB_CTRL_DATA	SAF - WB – Control Data
/BCC/JPK_XML_ST_WB_JPK	SAF - WB
/BCC/JPK_XML_ST_WB_SALDA	SAF WB - Balances
/BCC/JPK_XML_ST_WB_WYCW	SAF WB - Lines
/BCC/JPK_XML_ST_WB_WYCW_CTRL	SAF WB - Lines Ctrl



## 5. Classes

Name of the class	Short description
/BCC/CX_JPK_ERROR	Responsible for displaying errors.
/BCC/JPK_CL_BADI	For BAdI extensions.
/BCC/JPK_CL_BASE	Receives and processes the parameters to be used in the other classes.
/BCC/JPK_CL_DATA	Subordinate to /BCC/JPK CL BADI, realizing prepared BAdI.
/BCC/JPK_CL_DATA_EVENT	It supports events for the class /BCC/JPK CL_DATA, including save to the database, XML.
/BCC/JPK_CL_DB	Read/write to the database, archive on the server application.
/BCC/JPK_CL_DOCFI	Class to read FI documents.
/BCC/JPK_CL_EWP	Performing analysis of documents for SAF EWP.
/BCC/JPK_CL_EXT_FA	Extension for BAdI to class /BCC/JPK_CL_FA.
/BCC/JPK_CL_EXT_INIT	Extension for BAdI to class /BCC/JPK_INIT.
/BCC/JPK_CL_EXT_RAPORT	Extension for BAdI to class /BCC/JPK_STAND_EXT.
/BCC/JPK_CL_FA	Documents analysis execution for SAF Invoices.
/BCC/JPK_CL_FA_SP	Documents analysis execution for SAF Sale Invoices.
/BCC/JPK_CL_FA_ZK	Documents analysis execution for SAF Purchase Invoices.
/BCC/JPK_CL_GRID	Technical class that supports the tool.
/BCC/JPK_CL_KR	Documents analysis execution for SAF G/L Accounts.
/BCC/JPK_CL_MAG	Documents analysis execution for SAF Warehouse.
/BCC/JPK_CL_MAG_MM	Documents analysis execution from the MM area on the selection screen of Warehouse bookmark in transaction /BCC/JPK.
/BCC/JPK_CL_MAG_PZ	Documents analysis execution from the PZ area on the selection screen of Warehouse bookmark in transaction /BCC/JPK.
/BCC/JPK_CL_MAG_RW	Documents analysis execution from the RW area on the selection screen of Warehouse bookmark in transaction /BCC/JPK.
/BCC/JPK_CL_MAG_WZ	Documents analysis execution from the WZ area on the selection screen of Warehouse bookmark in transaction /BCC/JPK.
/BCC/JPK_CL_PKR	Documents analysis execution for SAF Tax Revenue and Expense Ledger.
/BCC/JPK_CL_RAP	Class of SAF Report (Transaction /BCC/JPKR).
/BCC/JPK_CL_TAB	Tables with tool data.
/BCC/JPK_CL_VAT	Documents analysis execution for SAF VAT Registry
/BCC/JPK_CL_WB	Documents analysis execution for SAF Bank Statements.

Interface name	Short description
/BCC/JPK_IF_ALL	A common interface for all types of SAF. It is used for processing the received after analysis ALV list.
/BCC/JPK_IF_DATA	Interface for /BCC/JPK_CL_DATA.
/BCC/JPK_IF_EXT_BDB	Interface extensions for BAdI to /BCC/JPK_BDB.
/BCC/JPK_IF_EXT_DOC	Interface extensions for BAdI to /BCC/JPK_DOC.
/BCC/JPK_IF_EXT_DOCFA	Provides information for which documents were supplemented ranges on the selection screen.
/BCC/JPK_IF_EXT_DOCMM	Provides information for which documents were supplemented ranges on the selection screen.
/BCC/JPK_IF_EXT_FA	Interface extensions for BAdI to /BCC/JPK_FA.
/BCC/JPK_IF_EXT_INIT	Interface extensions for BAdI to /BCC/JPK_INIT.
/BCC/JPK_IF_EXT_XML	Interface extensions for BAdI to /BCC/JPK_XML.
/BCC/JPK_IF_STAND_EXT	Interface extensions for BAdI to /BCC/JPK_STAND_EXT



## 6. Authorization objects

There are two authorization objects that help to manage access to particular functionalities of a tool:

- /BCC/JPK01 (Company Code) – reading JPK/SAF-T data without any further actions (without saving, archiving, etc)
- /BCC/JPK02 (Company Code/ Action) – allows performing actions with JPK/SAF-T file data

A user needs both authorization objects to be able to fully use JPK/ SAF-T File tool.

### 6.1./BCC/JPK01

**Display authorization object**

Object: /BCC/JPK01

Text:

Class: ZJPK

Author: GRZELAKD

Authorization fields

Authorization Fld	Short Description...
BUKRS	Company Code
/BCC/JPK_T	JPK file type

### 6.2./BCC/JPK02

**Display authorization object**

Object: /BCC/JPK02

Text:

Class: ZJPK

Author: GRZELAKD

Authorization fields

Authorization Fld	Short Description...
BUKRS	Company Code
/BCC/JPK_T	JPK file type
ACTVT	Activity

Within this permission object, you can define values in the following ranges:

Object: /BCC/JPK02

Text:

BE6(1)/920 Define Values

Object: /BCC/JPK02

Field name: ACTVT Activity

Activities

S...	A...	Text
<input checked="" type="checkbox"/>	01	Create or generate
<input checked="" type="checkbox"/>	05	Lock
<input checked="" type="checkbox"/>	06	Delete
<input checked="" type="checkbox"/>	24	Archive
<input checked="" type="checkbox"/>	28	Display line items
<input checked="" type="checkbox"/>	34	Write
<input checked="" type="checkbox"/>	95	Unlock
<input checked="" type="checkbox"/>	DL	Download

### 6.3. Authorization objects - summary

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To manage the authorization for selected JPK functionality, our solution uses the following objects permissions:

#### 1. /BCC/JPK01 – Company code and JPK file type

Permissions objects:

BUKRS – entity

/BCC/JPK\_T – type of JPK data (KR, WB, MAG, VAT, FA)

#### 2. /BCC/JPK02 – entity, JPK type and function

Permissions objects:

BUKRS – entity

/BCC/JPK\_T – type of JPK data (KR, WB, MAG, VAT, FA)

ACTVT - activity (functionality)

Field ACTVT has assigned the following activities:

01	Add or create
05	Lock
06	Removal
24	Archiving
28	Display line items
34	Save
39	Control
95	Unlock
DL	Save to file

#### 3. /BCC/JPK03 – change default director where JPK files could be saved.

Permissions objects:

BUKRS – entity

/BCC/JPK\_T – type of JPK data (KR, WB, MAG, VAT, FA )

ACTVT - activity (functionality)

Field ACTVT has assigned the following activities:

02	Change
----	--------

### 6.4. Configuring archiving of JPK files

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To ensure proper functioning of archiving JPK files, administrator need to develop archiving object (by default it is: 'ZJPK\_ARCH'). Administrator as well may to develop own archiving object, in this case in BADi extensions: BCC/JPK\_BDB->WRITE\_ARCH oraz /BCC/JPK\_BDB->READ\_ARCH. There administrator should indicate the name of the new archiving object.

The archiving object should be developed using transaction: AOBJ.

Please refer to screens below for archiving object 'ZJPK\_ARCH'.

Table View Edit Goto Selection Utilities(M) System Help

View Cluster Maintenance: Initial Screen

New Entries

Dialog Structure

- Archiving Object
  - Structure Definition
  - Tables from Which Y
  - Maintain Network Gr
  - Customizing Settings
  - Archiving Classes Use
  - Read Programs
  - Customizing Transact
  - Info Tables for Archi
  - Exit Routine Assignm

Object Name: ZJPK\_ARCH

Text:

Application Area: FI

Application Component: ALR0000023 Accounting Interface

Write Program: /BCC/SAPLJPK\_GF

Delete Program: /BCC/SAPLJPK\_GF

Reload Program:

Preprocessing Program:

Postprocessing Program:

☐ Interruption Possible  
☐ Do Not Start Before End of Write Phase  
☐ Prohibit New Session During Reload

☐ "Invalid" Indicator Cannot Be Revoked  
☐ Archiving Object Generated  
☐ Cross-Client  
☐ End Dialog  
☐ XML Archiving Object  
☐ XML Archive Routing Possible

Change View "Structure Definition": Overview

New Entries

Dialog Structure

- Archiving Object
  - Structure Definition
  - Tables from Which Y
  - Maintain Network Gr
  - Customizing Settings
  - Archiving Classes Use
  - Read Programs
  - Customizing Transact
  - Info Tables for Archi
  - Exit Routine Assignm

Arch. Object: ZJPK\_ARCH

Text:

Structure of Archiving Object

Structure Definition				
Re...	Parent Se...	Segment	Structure	Do Not Delete
10	/BCC/JPK_DE	/BCC/JPK_...		<input type="checkbox"/>

### Change View "Customizing Settings": Details

New Entries

Dialog Structure

- Archiving Object
  - Structure Definition
  - Tables from Which Y
  - Maintain Network Gr
  - Customizing Settings
  - Archiving Classes Use
  - Read Programs
  - Customizing Transact
  - Info Tables for Archi
  - Exit Routine Assignm

Object Name: ZJPK\_ARCH

Logical File Name: ARCHIVE\_DATA\_FILE

Archive File Size

Maximum Size in MB: 100

Maximum Number of Data Objects:

Settings for Delete Program

Commit Counter: 100

Test Mode Variant: Variant

Live Mode Variant: Variant

Delete Jobs

☒ Not Scheduled

☐ Start Automatically

☐ After Event

Event:

Parameter:

Place File in Storage System

Content Repository: LSO

☐ Start Automatically

Sequence

☒ Delete Before Storing

☐ Store Before Deleting

☐ Delete Program Reads from Storage System

### Change View "Read Programs": Overview

New Entries

Dialog Structure

- Archiving Object
  - Structure Definition
  - Tables from Which Y
  - Maintain Network Gr
  - Customizing Settings
  - Archiving Classes Use
  - Read Programs
  - Customizing Transact
  - Info Tables for Archi
  - Exit Routine Assignm

Arch. Object: ZJPK\_ARCH

Text:

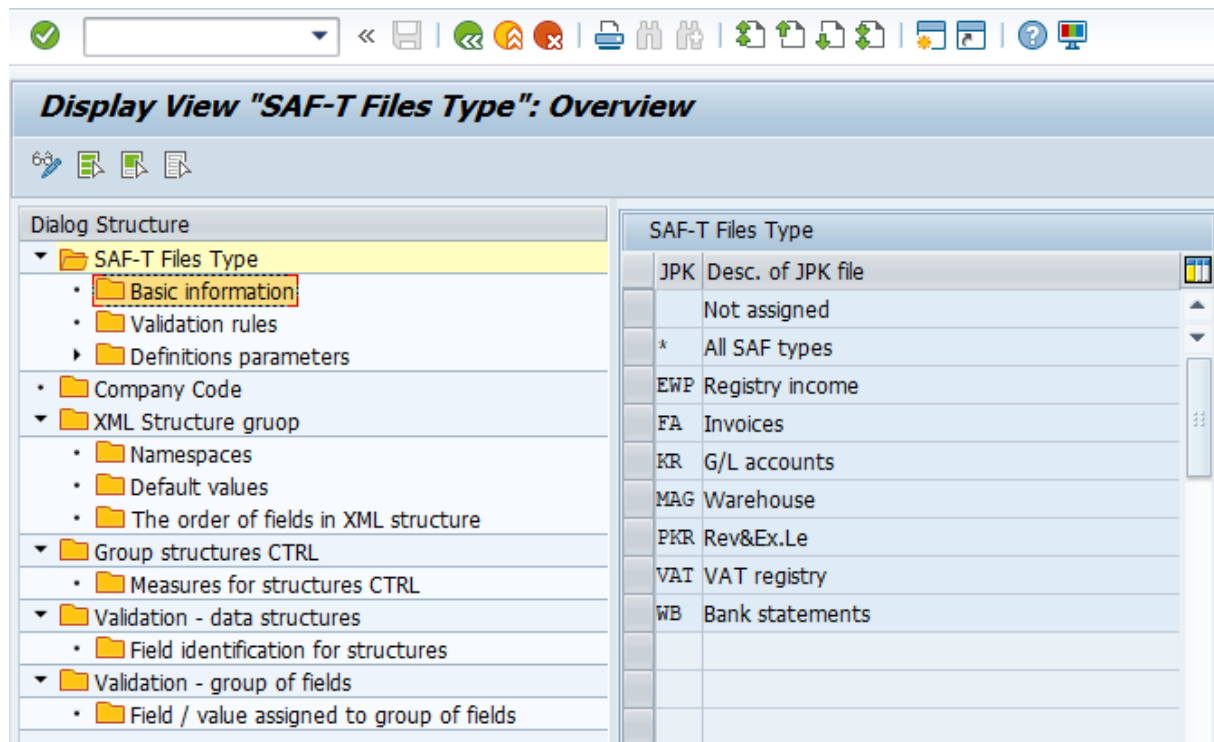
Read Program	Archive Selection Active
/BCC/SAPLJPK_GF	<input checked="" type="checkbox"/>

Other screens do not need to be filled/ complete.

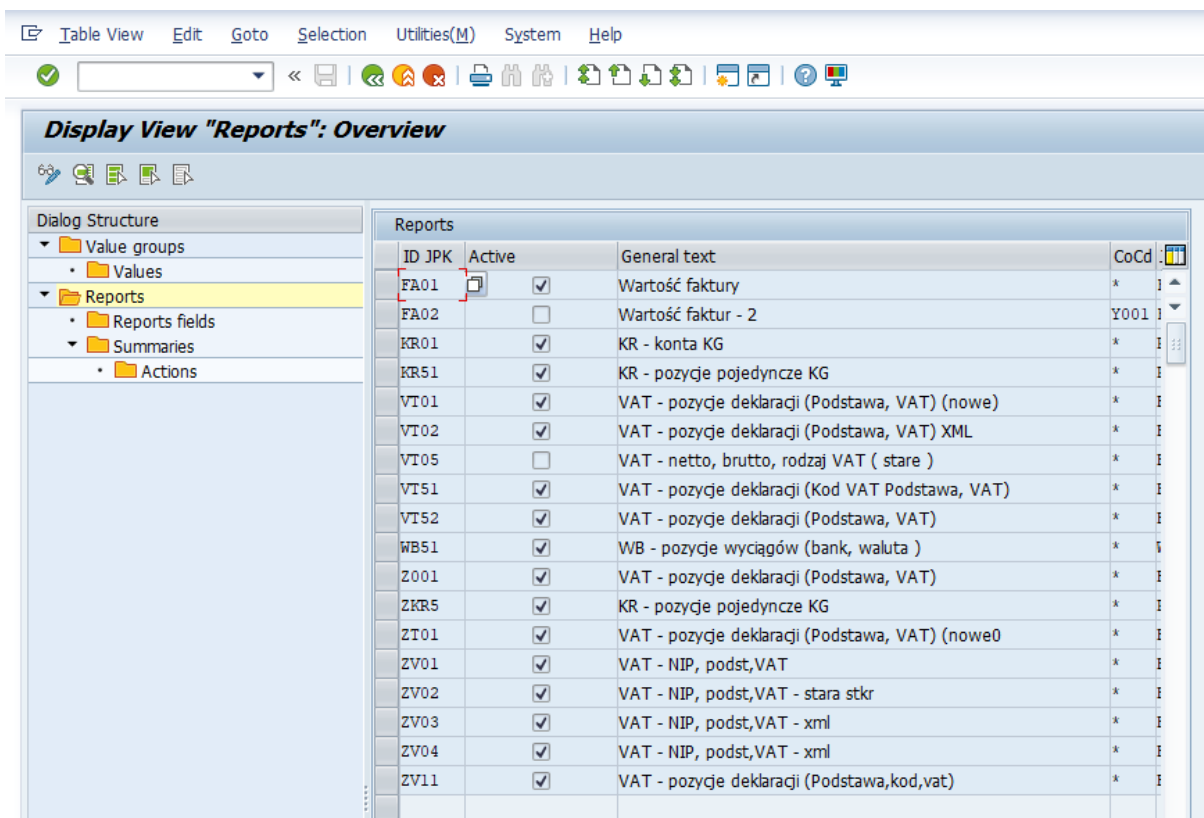
## 7. Configuring SAF

### Configuring SAF

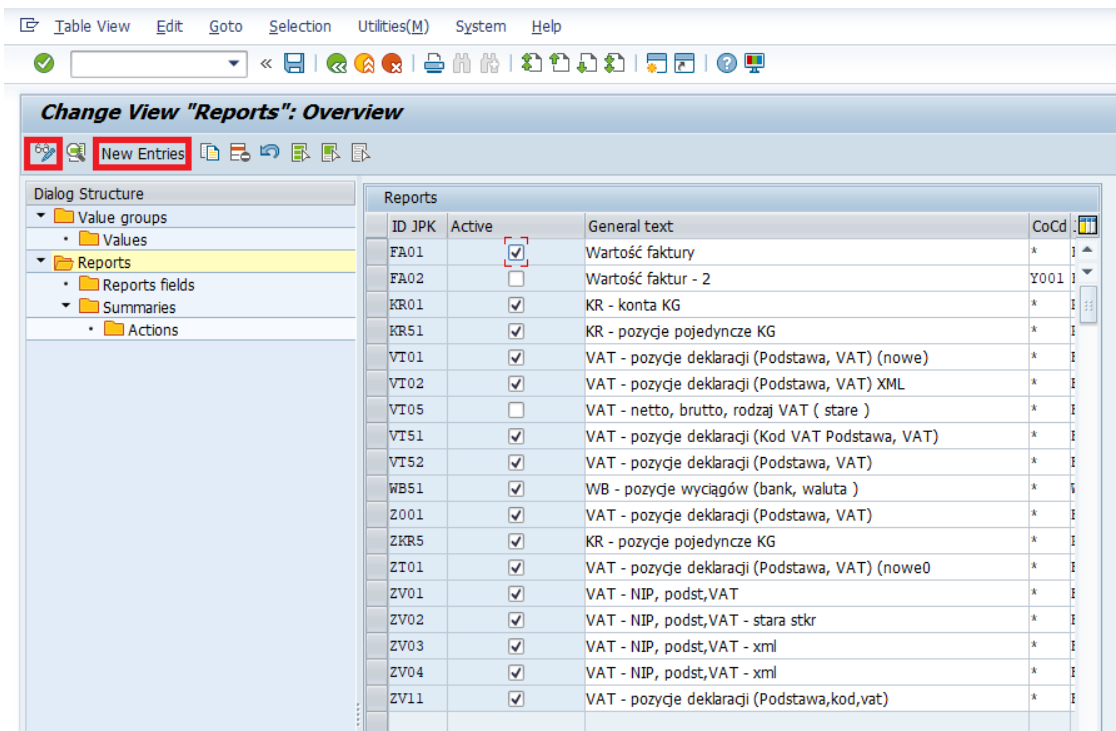
Transaction ID	Transaction description
/BCC/JPKC	SAF – Configuration (i.a. structuring of the reports)



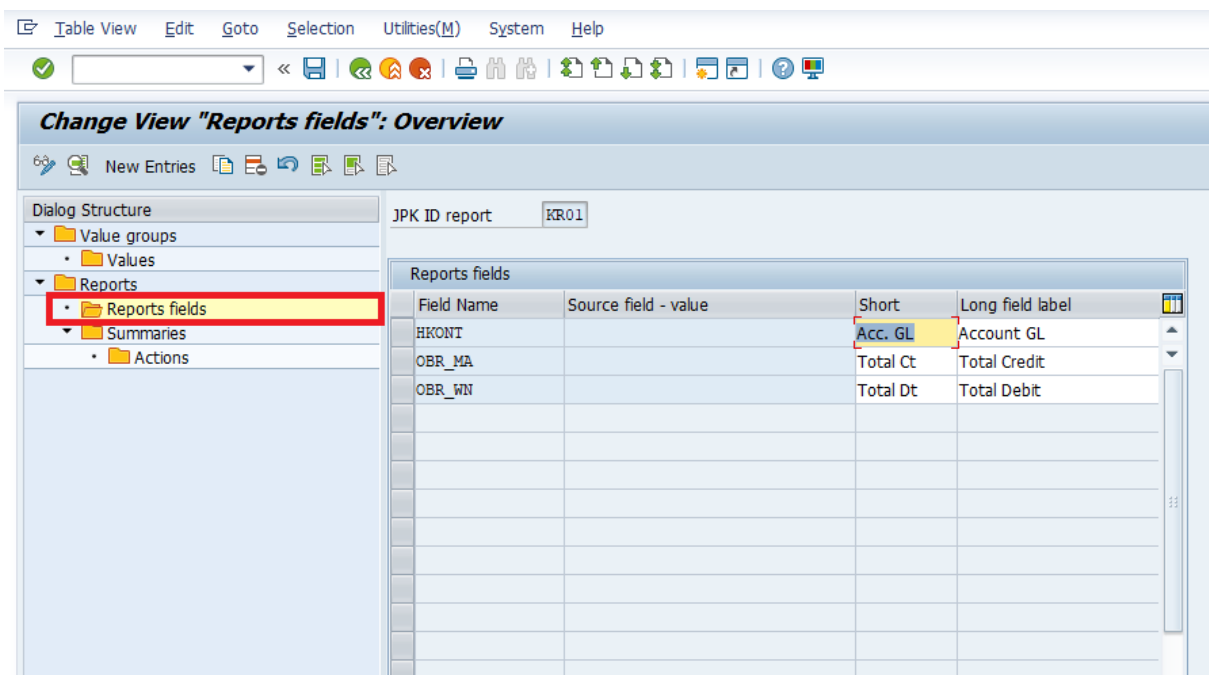
- The configuration transaction allows:
  - completion of basic information for company codes
  - structuring generated reports
  - setup of default values for selected fields of final SAF file
  - activation of validation rules
  - activation of new functionalities – the description of activation of new functionalities has been presented in the manual
- By default, the transaction has several reports developed for each type of SAF file and allows to create the new ones, according to the user's requirements



- Once the Reports from the Dialog Structure dropdown list (on the left side) are chosen, you can see the list of already developed reports with the 'Active' status, general text (description), company code to which it is assigned (\* means all company codes), type of SAF file to which the report is assigned, type of the report (i.a. the documents record or item record) and the name of the developed structure
- New reports can be created by selecting 'Display' -> 'Change' (CTRL + F1) and then 'New entries'



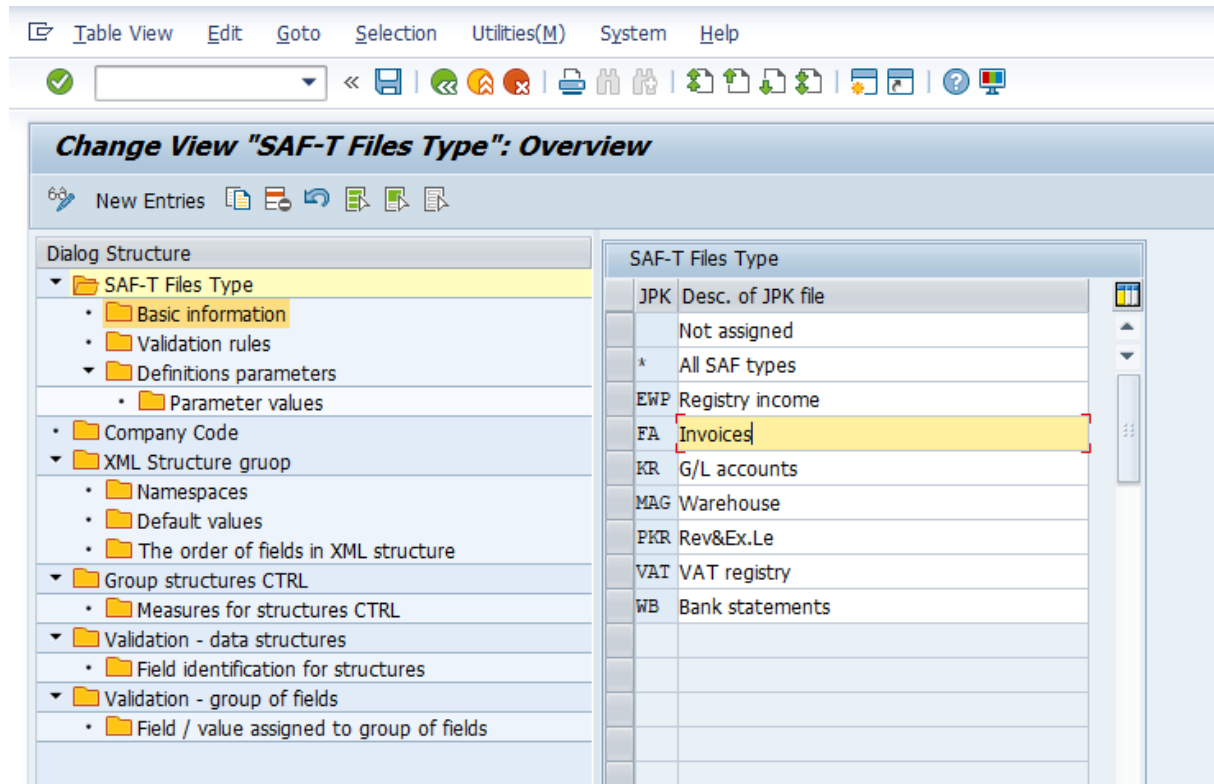
- After selecting one of the reports, the user is able to see and change the fields included in its structure by selecting 'Reports field' from the 'Dialog structure' dropdown list (on the left side)



- In the given example (Report KR01 – KR01 – KG accounts) there are 3 defined fields:
  - HKONT – name/number of the account
  - OBR\_MA – total credit in a particular period
  - OBR\_WN – total debt in a particular period
- In order to change fields included in a given report, use the 'Display' button -> Change (CTRL + F1)

- The report may be generated in one of three stages during the document analysis:
  - Loading data into the program
  - Saving data to the database table
  - Exporting data to an XML file
- The reports can be generated separately for header data and items
- For one type of SAF data, any number of reports can be prepared

### Basic information (Implementing Classes)



- After selecting a 'Basic information' bookmark from the 'Dialog Structure' dropdown list (on the left side) the user is able to define the associated XML Structures Group and the Implementing Class for each type of SAF file
- The Implementing Class for a particular SAF file will apply from the specified date for which the document analysis will be performed
- Characteristics of the Implementing Class BCC/JPK\_CL\_VAT\_DOC:
  - The data presentation is similar to VAT registration developed in SAP
  - The documents and items are visible on one screen
  - Division of items into tax due (1) and tax calculated (2). No assignment for 'Sales' and 'Purchase'
  - The assignment to tax due/calculated based on the operation the item was posted to

### Company Code – the assignment of basic information



Table View Edit Goto Selection Utilities(M) System Help

Change View "Company Code": Overview

New Entries

Dialog Structure

- SAF-T Files Type
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

CoCd	Doc.dat.from	Tax office	VAT Reg. No.	Industry ID No.	Nam
Y001	01.01.2010	3324	9721091865		SPOI
Y001	01.01.2015	1223	PL9721091865		SPOI
Y001	01.01.2017	1223	9721091865		SPOI
Y001	01.02.2017	123456789	9721091865		SPOI
Y002	01.02.2017	1223	9721091865		SPOI

- After selecting a 'Company Code' bookmark from the 'Dialog Structure' dropdown list the user is able to define the information concerning a particular company code, required in SAF file. Basic information for this company code will apply from the specified date for which the document analysis will be performed

Table View Edit Goto Selection Utilities(M) System Help

Change View "Company Code": Details

New Entries

Dialog Structure

- SAF-T Files Type
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

Company Code Y001

Doc.dat.from 01.01.2010

Company Code

Tax office 3324

VAT Reg. No. 9721091865

Industry ID No.

Name SPOLKA TESTOWA

Country code PL

State WIELKIE

District ZALESIONY

Community TESTOWA

Street KLONOWA

House number 12

Flat number 12

City POZ

Postal code 61-000

Post office POZ

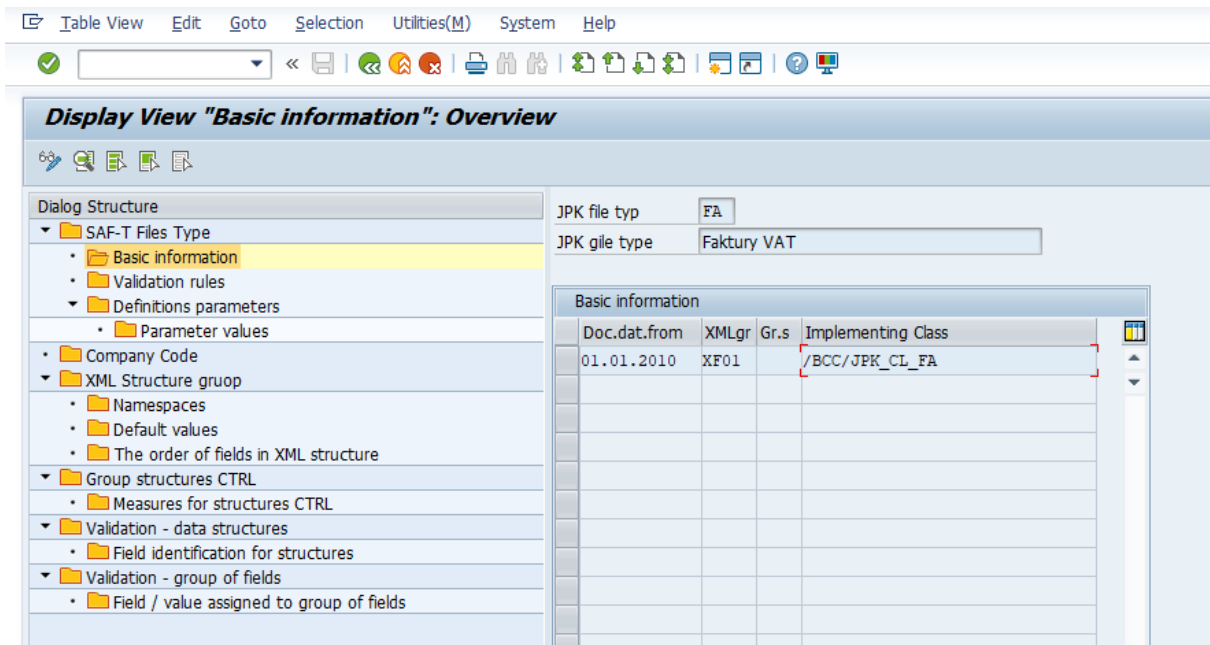
Address e-mail bcc@bcc.com.pl

Sys. name

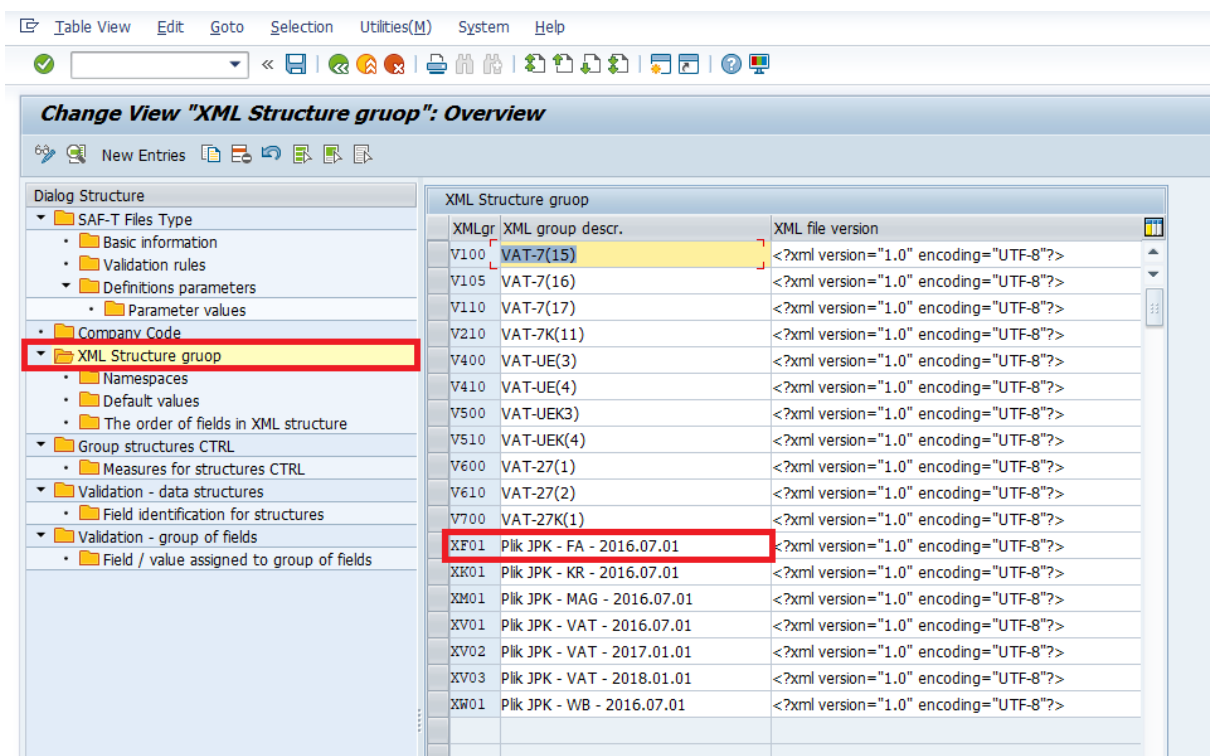
☐ Kons. plików

### SAF files result fields – default values

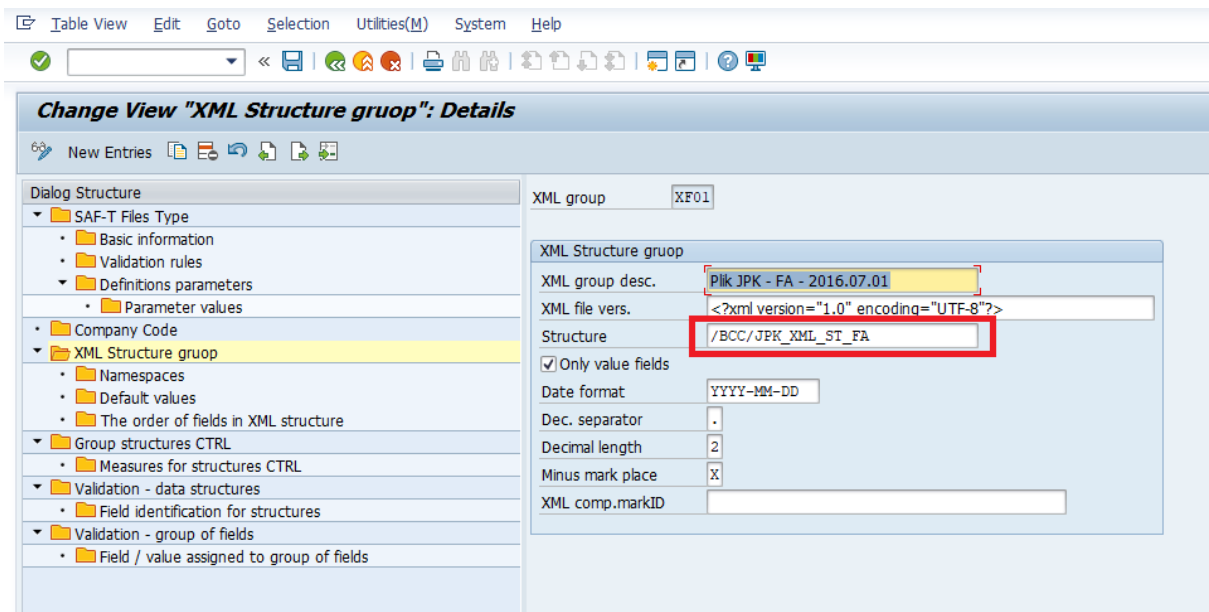
- The transaction allows to define Default values for selected result fields of the SAF file
- In the first step the user chooses 'Basic information' from the list on the left side of the screen and determines the XML Group which belongs to the particular group type of the SAF file (in this example it is a group 'XF01' for Invoices).



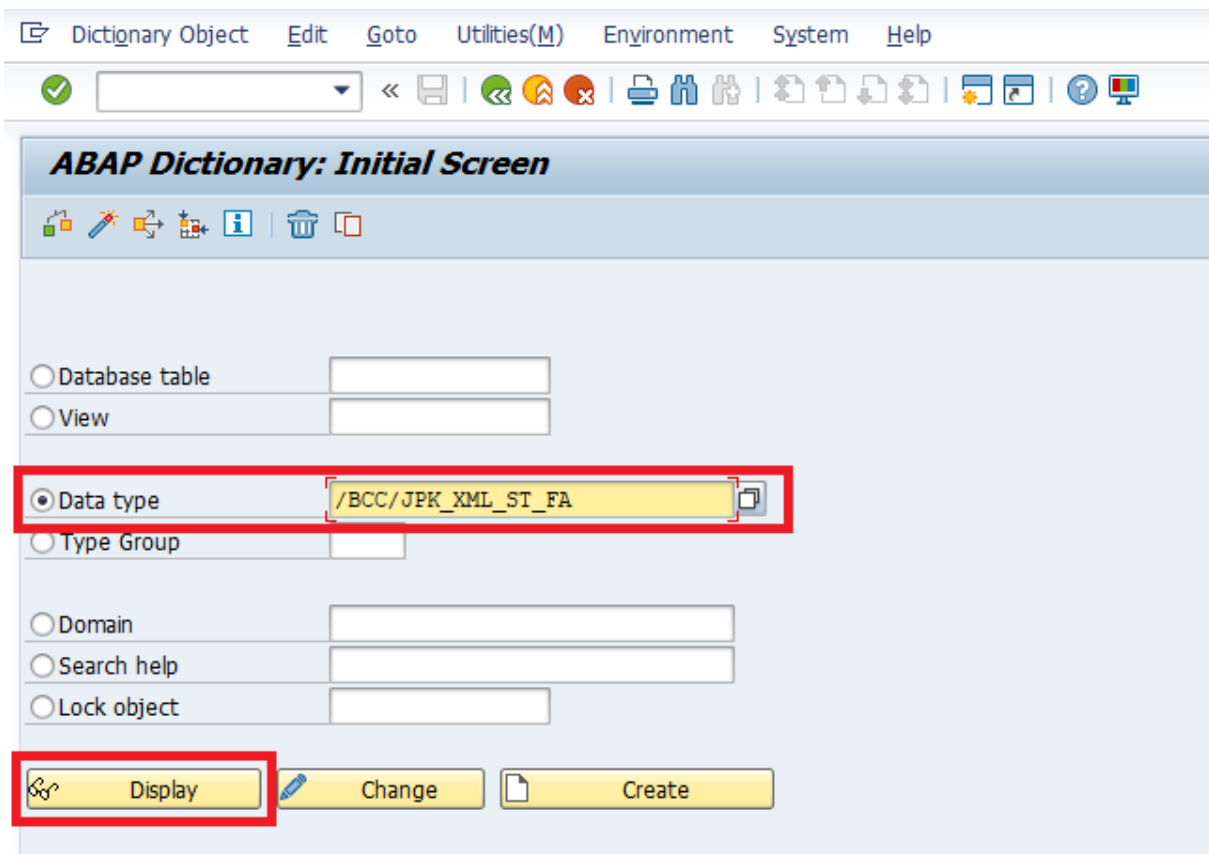
- Next, the user has to move on to 'XML Structure group', select XML group (in the given example it is the 'XF01' group) and through the double click on a particular group, open the window with the details of this group.



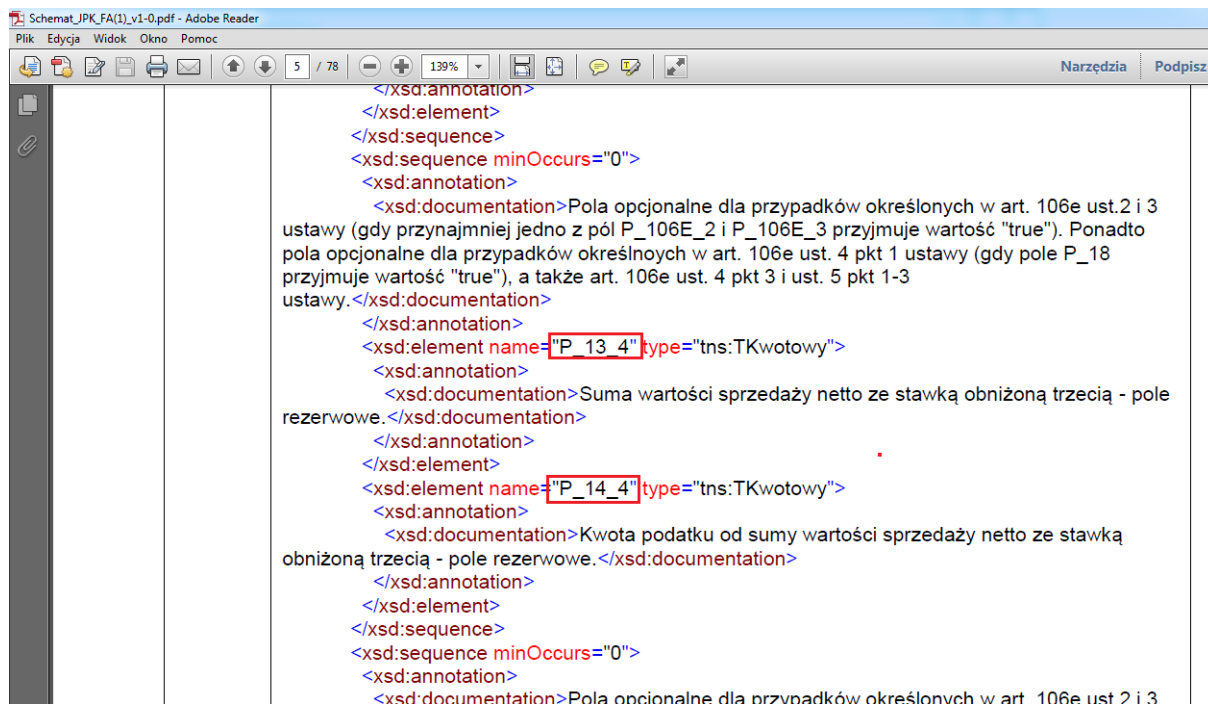
- Copy the structure name assigned to the given XML group from the detailed 'XML Structure group' view (in this example the structure is /BCC/JPK\_XML\_ST\_FA)



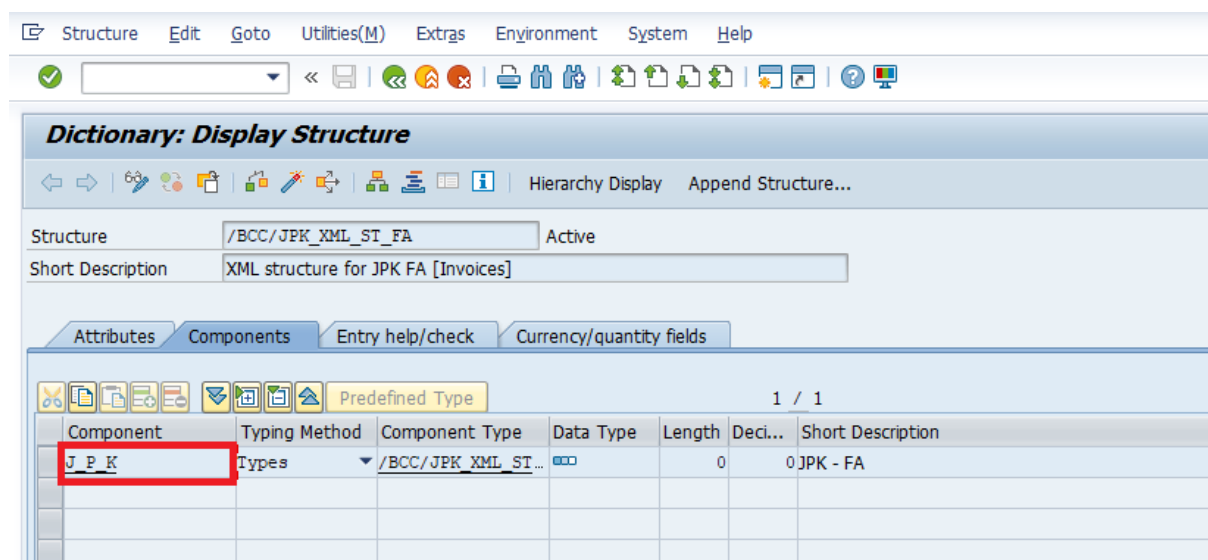
- Run the transaction 'SE11' (ABAP Dictionary), paste the name of previously copied structure in 'Data type' field and select 'Display'



- Choose the field/fields for which you want to change the default values. In this example it is the field '14\_4'.



- Return to the 'SE11' transaction. After selecting 'Display' option for the copied structure, there should appear the screen as it follows. Select 'JPK' through the double click.



- Then select the component 'FAKTURA' (also through the double click) and on the next screen select 'Line Type'

Structure Edit Goto Utilities(M) Extras Environment System Help

Dictionary: Display Structure

Structure: /BCC/JPK\_XML\_ST\_FA\_JPK Active

Short Description: JPK - FA

Attributes Components Entry help/check Currency/quantity fields

Predefined Type 1 / 8

Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description
NAGLOWEK	Types	/BCC/JPK_XML_ST...		0	0	
PODMIOT1	Types	/BCC/JPK_XML_ST...		0	0	
FAKTURA	Types	/BCC/JPK_XML_TI...		0	0	
FAKTURA_CTRL	Types	/BCC/JPK_XML_ST...		0	0	JPK FA [invoices] - Ctrl
STAWKI_PODATKU	Types	/BCC/JPK_XML_ST...		0	0	JPK FA [invoices] - Tax rate
FAKTURA_WIERSZ	Types	/BCC/JPK_XML_TI...		0	0	
FAKTURA_WIERSZ...	Types	/BCC/JPK_XML_ST...		0	0	JPK FA - Ctrl
.INCLUDE	Types	CI_JPK_XML_FA_J...		0	0	

Table Type Edit Goto Utilities(M) Environment System Help

Dictionary: Display Table Type

Table Type: /BCC/JPK\_XML\_TI\_FA\_FAKT Active

Short text: JPK FA - Faktury

Attributes Line Type Initialization and Access Primary Key Secondary Key

Line Type: /BCC/JPK\_XML\_ST\_FA\_FAKT

Predefined Type

Data Type

No. of Characters: 0 Decimal Places: 0

Reference type

Name of Ref. Type

Reference to Predefined Type

Data Type

Length: 0 Decimal Places: 0

- Find the field/fields (in the example '14\_4') and copy the structure for which given field/fields are assigned

Structure: /BCC/JPK\_XML\_ST\_FA\_FAKT Active  
Short Description: JPK FA - Invoices

Attributes Components Entry help/check Currency/quantity fields

Predefined Type 4 / 54

Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description	Group
P_3_A	Types		STRING	0	0		
P_3_B	Types		STRING	0	0		
P_3_C	Types		STRING	0	0		
P_3_D	Types		STRING	0	0		
P_4_A	Types		STRING	0	0		
P_4_B	Types		STRING	0	0		
P_5_A	Types		STRING	0	0		
P_5_B	Types		STRING	0	0		
P_6	Types		DATS	8	0		
P_13_1	Types		DEC	18	2		
P_14_1	Types		DEC	18	2		
P_13_2	Types		DEC	18	2		
P_14_2	Types		DEC	18	2		
P_13_3	Types		DEC	18	2		
P_14_3	Types		DEC	18	2		
P_13_4	Types		DEC	18	2		
P_14_4	Types		DEC	18	2		
P_13_5	Types		DEC	18	2		
P_14_5	Types		DEC	18	2		
P_13_6	Types		DEC	18	2		
P_13_7	Types		DEC	18	2		
P_15	Types		DEC	18	2		
P_16	Types		STRING	0	0		

- Return to the '/BCC/JPKC' transaction and select 'XML Structure group' – choose an adequate XML group (in this example 'XF01') and select 'Default values' from menu on the left side of the screen

Table View Edit Goto Selection Utilities(M) System Help

Display View "XML Structure group": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
  - Company Code
    - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

XML Structure group

XMLgr	XML group descr.	XML file version
V100	VAT-7(15)	<?xml version="1.0" encoding="UTF-8"?>
V105	VAT-7(16)	<?xml version="1.0" encoding="UTF-8"?>
V110	VAT-7(17)	<?xml version="1.0" encoding="UTF-8"?>
V210	VAT-7K(11)	<?xml version="1.0" encoding="UTF-8"?>
V400	VAT-UE(3)	<?xml version="1.0" encoding="UTF-8"?>
V410	VAT-UE(4)	<?xml version="1.0" encoding="UTF-8"?>
V500	VAT-UEK(3)	<?xml version="1.0" encoding="UTF-8"?>
V510	VAT-UEK(4)	<?xml version="1.0" encoding="UTF-8"?>
V600	VAT-27(1)	<?xml version="1.0" encoding="UTF-8"?>
V610	VAT-27(2)	<?xml version="1.0" encoding="UTF-8"?>
V700	VAT-27K(1)	<?xml version="1.0" encoding="UTF-8"?>
XF01	Plik JPK - FA - 2016.07.01	<?xml version="1.0" encoding="UTF-8"?>
XX01	Plik JPK - KR - 2016.07.01	<?xml version="1.0" encoding="UTF-8"?>
XM01	Plik JPK - MAG - 2016.07.01	<?xml version="1.0" encoding="UTF-8"?>
XV01	Plik JPK - VAT - 2016.07.01	<?xml version="1.0" encoding="UTF-8"?>
XV02	Plik JPK - VAT - 2017.01.01	<?xml version="1.0" encoding="UTF-8"?>
XV03	Plik JPK - VAT - 2018.01.01	<?xml version="1.0" encoding="UTF-8"?>
XW01	Plik JPK - WB - 2016.07.01	<?xml version="1.0" encoding="UTF-8"?>

- In this example, field '14\_4' is already defined, default values may be configured by choosing 'New entries'. Select field '14\_4' by double clicking it

- Fields should be filled in according to the given example:
  - the XML group with the 'Basic information' code
  - the 'Structure name' field with the previously copied structure from 'SE11' transaction
  - 'Field Name' with the name of field chosen by user (and previously copied from 'SE11' transaction)
  - for the 'ItmNo.' (Item Number) enter '1' (if the field needs to be defined with default value which consists of a very long text not fitting into the frame intended for that purpose, there can be created several default values for a given field with subsequent parts of the text determining the order by position number.
- In the 'Text' field type the default value for a particular field, in the 'Dec.' field ('Decimal') you can define the number of decimal places for the value of a given field. 'Pole referencyjne' (ang. 'Reference Field') indicates that the field defined with the default value will be filled with that value only when the field determined in 'Pole referencyjne' will not be empty. In this example the XML scheme for Invoices imposes the completion of field '14\_4' when the '13\_4' field is filled in.
- In a given example, field '14\_4' will be completed with '0.00' value only when the field '13\_4' has its value defined (is not empty) and when any value for the '14\_4' field is not taken from the system.

Table View Edit Goto Selection Utilities(M) System Help

Change View "Default values": Overview

New Entries

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

XML group XF01

Default values

Structure name	Field Name	ItemNo.	+
/BCC/JPK_XML_S...	WARTOSC_FAKTUR	1	0.00
/BCC/JPK_XML_S...	P_1	1	1900-01-01
/BCC/JPK_XML_S...	P_14_1	1	0.00
/BCC/JPK_XML_S...	P_14_2	1	0.00
/BCC/JPK_XML_S...	P_14_3	1	0.00
/BCC/JPK_XML_S...	P_14_4	1	0.00
/BCC/JPK_XML_S...	P_14_5	1	0.00
/BCC/JPK_XML_S...	P_15	1	0.00
/BCC/JPK_XML_S...	P_2_A	1	0
/BCC/JPK_XML_S...	P_3_C	1	.
/BCC/JPK_XML_S...	P_3_D	1	.
/BCC/JPK_XML_S...	RODZAJ_FAKTURY	1	POZ
/BCC/JPK_XML_S...	Z_A_I_FODATEK	1	0.00
/BCC/JPK_XML_S...	Z_A_I_ZAPLATA	1	0.00
/BCC/JPK_XML_S...	STAWKA1	1	23.00
/BCC/JPK_XML_S...	STAWKA2	1	8.00
/BCC/JPK_XML_S...	STAWKA3	1	5.00
/BCC/JPK_XML_S...	STAWKA4	1	0.00
/BCC/JPK_XML_S...	STAWKA5	1	0.00
/BCC/JPK_XML_S...	P_2_B	1	0
/BCC/JPK_XML_S...	P_8_B	1	
/BCC/JPK_XML_S...	WARTOSC_WIERSZ...	1	0.00
/BCC/JPK_XML_S...	CONTENT	1	JPK_FA
/BCC/JPK_XML_S...	KOD_SYSTEMOWY	1	JPK_FA (1)
/BCC/JPK_XML_S...	WERSJA_SCHEMY	1	1-0
/BCC/JPK_XML_S...	CEL_ZLOZENIA	1	1
/BCC/JPK_XML_S...	WARIANT_FORMUL...	1	1
/BCC/JPK_XML_T...	TYP	1	G
/BCC/JPK_XML_T...	TYP	1	G

Table View Edit Goto Selection Utilities(M) System Help

New Entries: Details of Added Entries

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

XML group XF01

Structure /BCC/JPK\_XML\_ST\_FA\_FAKT

Field Name P\_14\_4

Item number 1

Default values

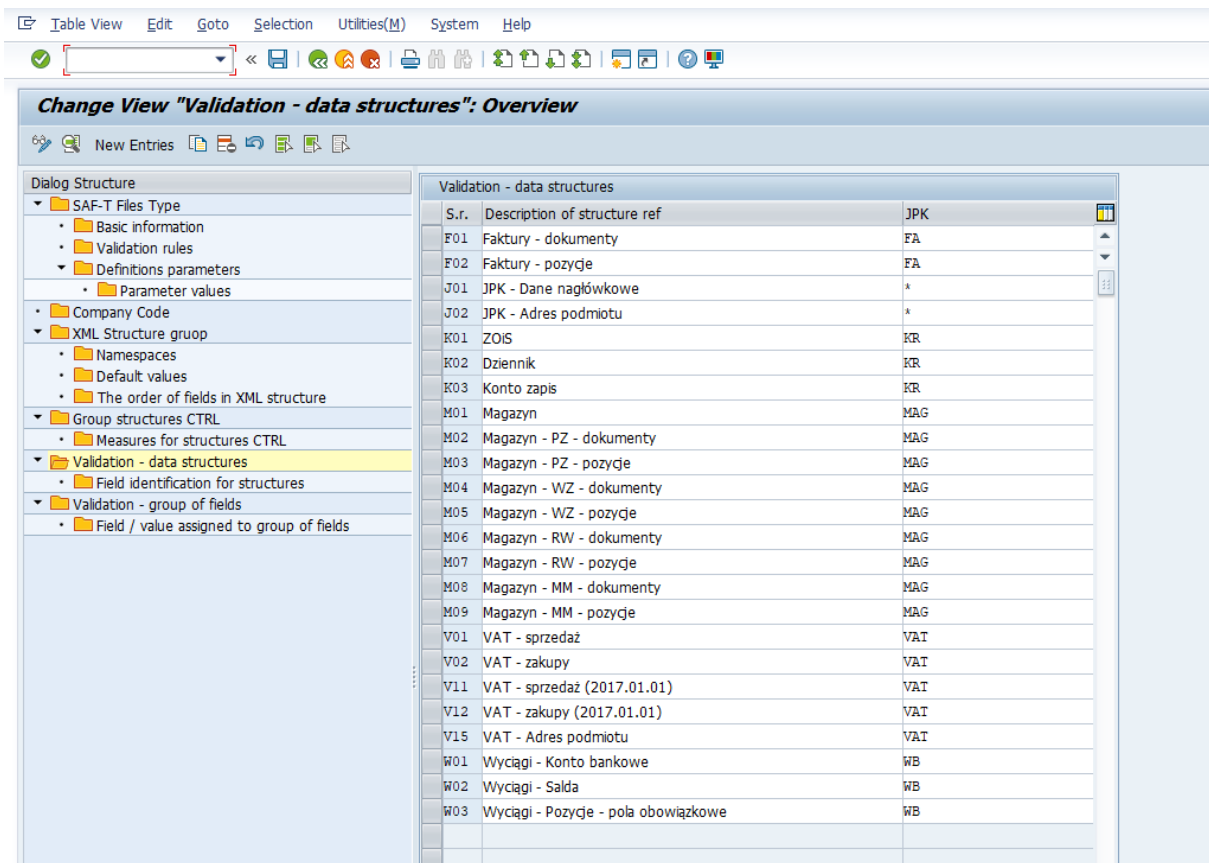
Text 0.00

Decimal length

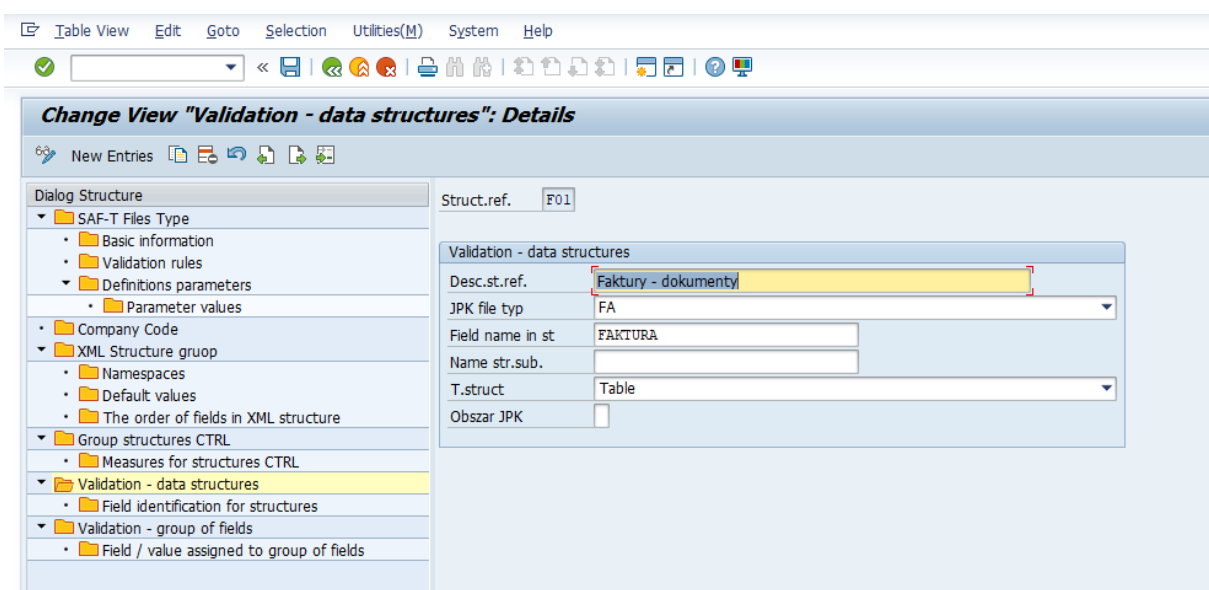
Pole referencyjne P\_13\_4

## Configuring validation





- Once the 'Validation' bookmark from the 'Dialog Structure' dropdown list is selected, the user is able to define or change already existing data validation function rules for SAF files (requirements of fields completion, dictionary data control, dependency between the fields).
- By default, the program has defined validation rules for all types of SAF files
- First step is to define data structure – the reference structure 'F01 – Faktury – dokumenty' ('Invoices – documents') will be used as an example



- Define any structure reference code you choose (in this example – 'F01')

- Type any structure reference description (in this example – ‘Faktury VAT’)
- Choose the type of SAF file (in this example – ‘Faktury VAT’)
- Field name in the structure and the structure type have to be copied from ‘SE11’ transaction (more details can be found in the section describing configuring default values of result fields for SAF files).

Dictionary Object   Edit   Goto   Utilities(M)   Environment   System   Help

ABAP Dictionary: Initial Screen

Database table   View   Data type   Type Group   Domain   Search help   Lock object

/BCC/JPK\_XML\_ST\_FA

Display   Change   Create

Structure   Edit   Goto   Utilities(M)   Extras   Environment   System   Help

Dictionary: Display Structure

Structure   /BCC/JPK\_XML\_ST\_FA\_JPK   Active

Short Description   JPK - FA

Attributes   Components   Entry help/check   Currency/quantity fields

Predefined Type   1 / 8

Component	Typing Method	Component Type	Data Type	Length	Deci...	Short Description
NAGLOWEK	Types	/BCC/JPK_XML_ST...		0	0	
PODMIOT1	Types	/BCC/JPK_XML_ST...		0	0	
FAKTURA	Types	/BCC/JPK_XML TT...		0	0	
FAKTURA_CTRL	Types	/BCC/JPK_XML ST...	Table Type	0		0 JPK FA [Invoices] - Ctrl
STAWKI_PODATKU	Types	/BCC/JPK_XML ST...		0		0 JPK FA [Invoices] - Tax rate
FAKTURA_WIERSZ	Types	/BCC/JPK_XML TT...		0	0	
FAKTURA_WIERSZ ...	Types	/BCC/JPK_XML ST...		0		0 JPK FA - Ctrl
.INCLUDE	Types	CI_JPK_XML_FA J...		0	0	

- Next move to the 'Validation – group fields' bookmark in which the fields of chosen structure fields of SAF file have to be created and for which you have to create validation rules.

Table View Edit Goto Selection Utilities(M) System Help

Display View "Validation - group of fields": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

Validation - group of fields

Grou...	Description of group	S.r.	O.
FK0001	Faktury - dokumenty pola obowiazkowe	F01	
FK0002	Faktury - pozycje - pola obowiazkowe	F02	
FK0003	Faktury - dokumenty pola false/true ( słownik )	F01	
FK0004	Faktury - dokumenty - rodzaj faktury ( słownik )	F01	
FK0005	Faktury - dokumenty - pole rodzaj faktury	F01	
FK0010	Faktury - dokumenty - przyczyna korekty (wart)	F01	
FK0015	Faktury - dokumenty - odwrotne obciążenie	F01	
FK0016	Faktury - dokumenty - odwr. obciążenie (wart)	F01	
FK0020	Faktury - dokumenty - pod. zwolniony	F01	
FK0021	Faktury - dokumenty - pod. zwolniony (wart)	F01	
FK0025	Faktury - dokumenty - art. 106c	F01	
FK0026	Faktury - dokumenty - art. 106c (wart)	F01	
FK0030	Faktury - dokumenty - przeds. podat.	F01	
FK0031	Faktury - dokumenty - przeds. podat. (wart)	F01	
FK0035	Faktury - dokumenty - numer NIP	F01	
FK0100	Faktury - pozycje - stawka VAT	F02	
JPK001	JPK - Dane nagłówkowe	J01	
JPK002	JPK - Dane adresowe podmiotu	J02	
JPK003	JPK - false/true	*	
JPK004	JPK - Stawki VAT	*	

Table View Edit Goto Selection Utilities(M) System Help

Display View "Field / value assigned to group of fields": Overview

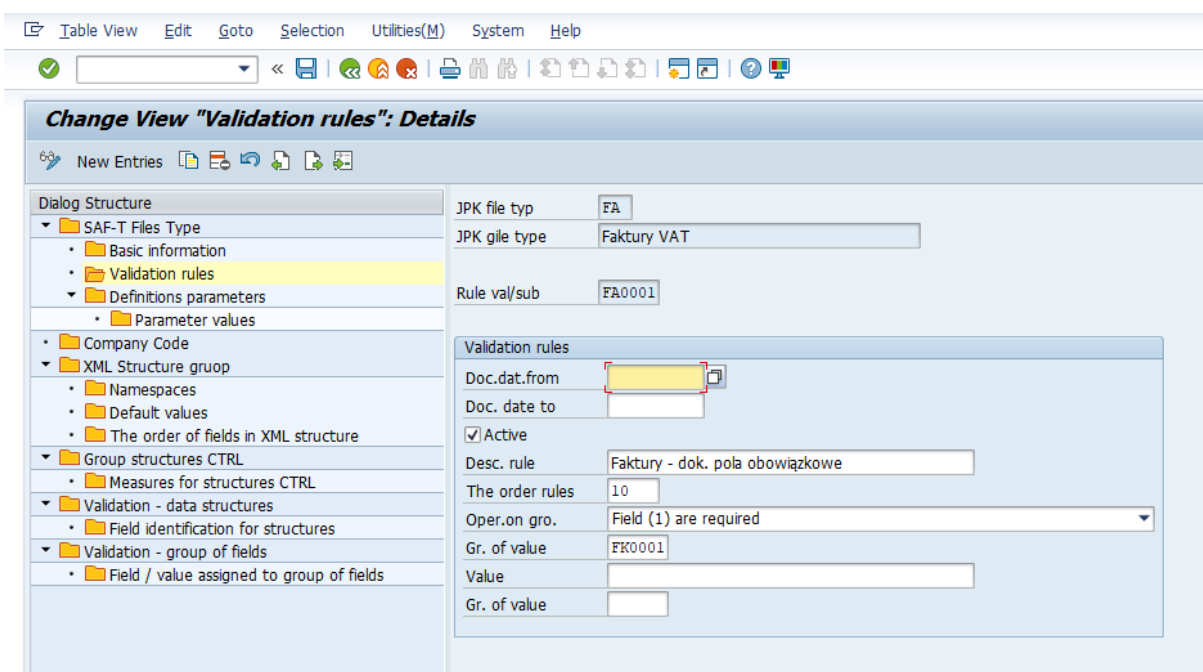
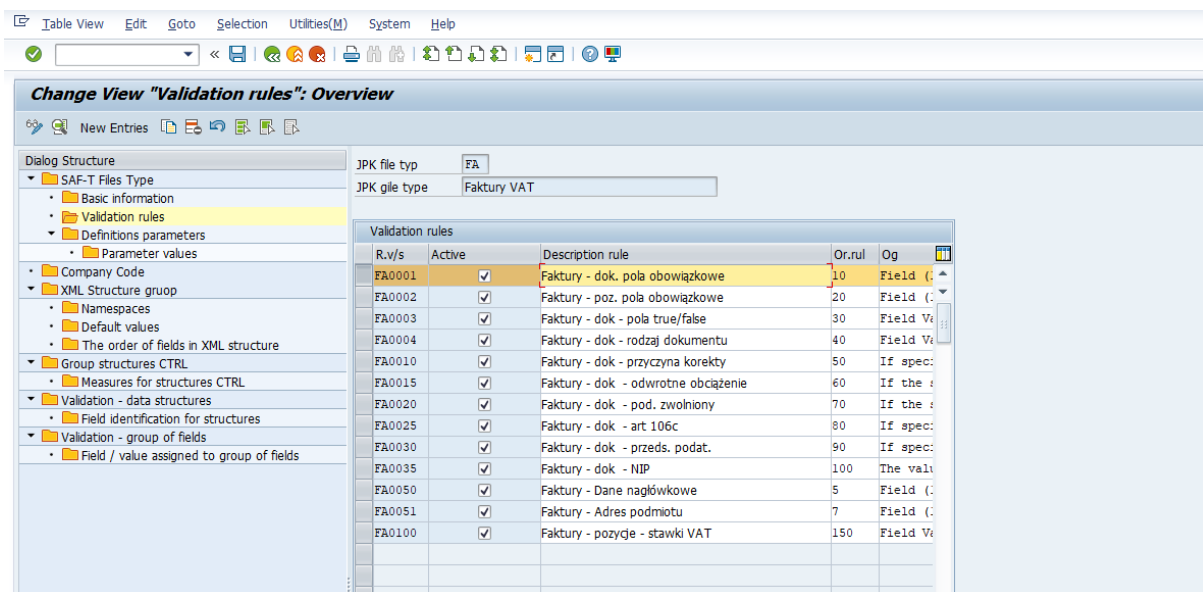
Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

Field / value assigned to group of fields

Grou...	Value	Message type
FK0001	P__1	
FK0001	P__15	
FK0001	P__2_A	
FK0001	P__3_C	
FK0001	P__3_D	

- In the given example a fields group with the name 'FK0001' and description 'Faktury – dokumenty pola obowiazkowe' has been created which is belonging to the previously created reference structure 'F01'. The group consists of following fields: P\_\_1, P\_\_106\_E\_\_3\_A, P\_\_15, P\_\_2\_A, P\_\_3\_C and P\_\_3\_D.
- Next move to the 'Validation rules' bookmark in which we create the validation rules for created fields groups of SAF file structure.



- The example has following settings: SAF file type 'Faktury VAT', name of validation rule 'FA0001', description of validation rule 'Faktury – dok. Pola obowiazkowe', data type 'Struktury XML', the rule column '10', operation on fields group 'Pole(a) (1) sa wymagane' (fields which are included in a defined group cannot be empty) and previously created group of values 'FK0001'.

### SAF files management

Transaction ID	Transaction description
/BCC/JPKA	SAF files management

**SAF-T file manager**

Company Code  to

JPK file type  to

Document date from  to

Document date to  to

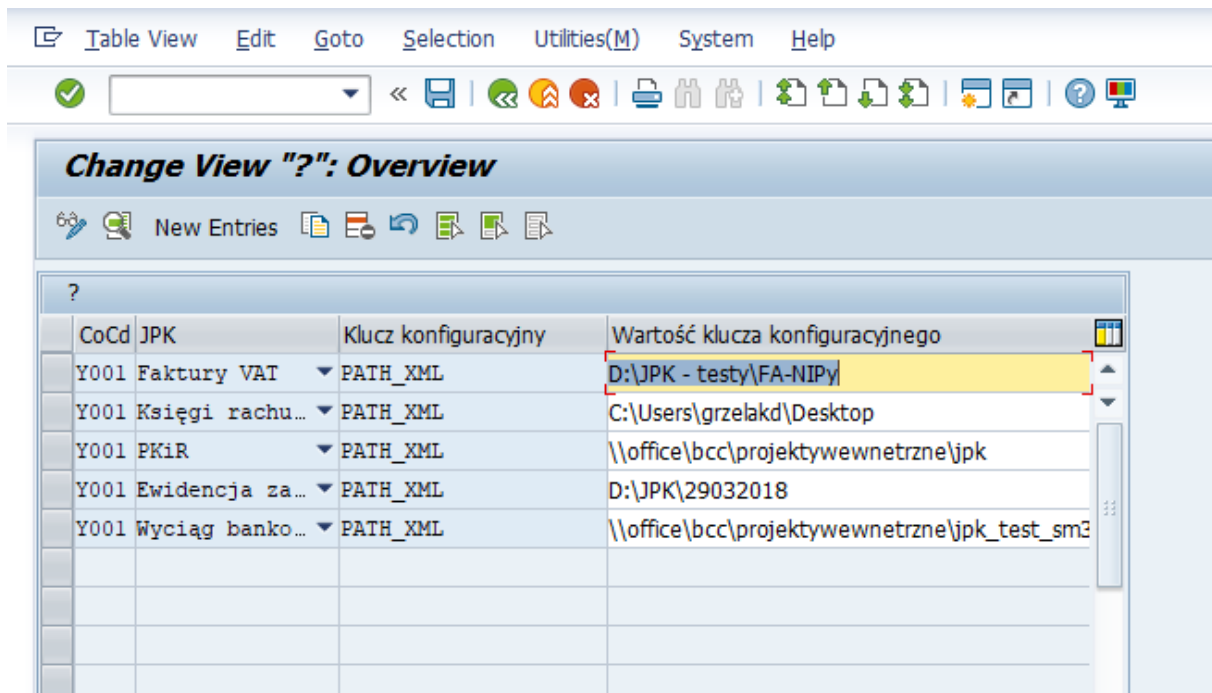
- The transaction allows to manage generated SAF files
- Define the Company Code on the selection screen for which you want to see the list of generated SAF files, SAF files types and range of dates (from – to) in the documents for which the SAF files were generated

CoCode JPK	Doc. date from	Doc. date to	Ver	SR	Select	JPK - information text	JPK File	Creation Date	User	Status
0	01.01.2000	31.12.2018	1	0	<input type="checkbox"/>	JPK - information text	<input type="checkbox"/>			○○○
0001	VAT 31.01.2017	31.12.2017	2	0	<input type="checkbox"/>		<input type="checkbox"/>			○○○
0001	VAT 31.03.2017	31.03.2017	2	0	<input type="checkbox"/>		<input type="checkbox"/>			○○○
0001	VAT 31.03.2017	31.12.2017	2	0	<input type="checkbox"/>		<input type="checkbox"/>			○○○
0001	VAT 01.05.2017	31.05.2017	1	0	<input type="checkbox"/>		<input type="checkbox"/>			○○○
0001	VAT 01.01.2018	31.01.2018	2	0	<input type="checkbox"/>	test dwóch jednostek 2 4700000034	<input type="checkbox"/>			○○○
0MSZ	KR 31.01.2017	31.12.2017	2	0	<input type="checkbox"/>	Dane przetworzone przez użytkownika BALANDAG w dniu 28.02.2017 o godz. 14:45:08 (opis możliwy do zmiany przez użytkownika)	<input checked="" type="checkbox"/>	28.02.2017	BALANDAG	○○○
1420	VAT 01.01.2018	31.01.2018	1	0	<input type="checkbox"/>		<input checked="" type="checkbox"/>	21.02.2018	CHMIELEWSKIS	○○○
Y001	FA 15.01.1990	31.12.2016	1	0	<input type="checkbox"/>	Dane przetworzone przez użytkownika SIWEGK w dniu 30.11.2017 o godz. 19:34:40 (opis możliwy do zmiany przez użytkownika)	<input checked="" type="checkbox"/>	08.11.2016	CHMIELEWSKIS	○○○
Y001	FA 01.01.1991	01.09.2015	1	0	<input type="checkbox"/>	Dane przetworzone przez użytkownika CHMIELEWSKIS w dniu 08.11.2016 o godz. 14:28:35 (opis możliwy do zmiany przez użytkownika)	<input checked="" type="checkbox"/>	17.10.2017	CHMIELEWSKIS	○○○
Y001	FA 01.01.2000	31.12.2009	1	0	<input type="checkbox"/>	The data processed by the user CHMIELEWSKIS on 31.10.2016 at 14:03:21 (description possible to change by user)	<input checked="" type="checkbox"/>	22.06.2017	CHMIELEWSKIS	○○○
Y001	FA 01.01.2000	31.12.2009	3	0	<input type="checkbox"/>	Dane przetworzone przez użytkownika CHMIELEWSKIS w dniu 22.06.2017 o godz. 13:13:23 (opis możliwy do zmiany przez użytkownika)	<input checked="" type="checkbox"/>	17.10.2017	MATYJAA	○○○
Y001	FA 01.01.2000	31.12.2016	1	0	<input type="checkbox"/>	Dane przetworzone przez użytkownika MATYJAA w dniu 17.10.2017 o godz. 12:59:19 (opis możliwy do zmiany przez użytkownika)	<input checked="" type="checkbox"/>	24.10.2016	CHMIELEWSKIS	○○○
Y001	FA 01.01.2000	31.01.2017	1	0	<input type="checkbox"/>	nowe_lesly	<input checked="" type="checkbox"/>	16.05.2017	CHMIELEWSKIS	○○○
Y001	FA 01.01.2000	31.01.2017	1	0	<input type="checkbox"/>	kursy2	<input checked="" type="checkbox"/>			○○○
Y001	FA 01.01.2000	31.03.2017	13	1	<input type="checkbox"/>	The data processed by the user KORECKID on 11.09.2018 at 08:21:00 (description possible to change by user)	<input checked="" type="checkbox"/>	17.10.2017	MATYJAA	○○○
Y001	FA 01.01.2000	31.12.2017	1	0	<input type="checkbox"/>	Dane przetworzone przez użytkownika CHMIELEWSKIS w dniu 19.09.2017 o godz. 14:43:02 (opis możliwy do zmiany przez użytkownika)	<input checked="" type="checkbox"/>	21.06.2018	KORECKID	○○○
Y001	FA 01.01.2000	31.12.2018	1	1	<input type="checkbox"/>	The data processed by the user KORECKID on 21.06.2018 at 14:49:44 (description possible to change by user)	<input checked="" type="checkbox"/>	01.02.2018	CHMIELEWSKIS	○○○
Y001	FA 01.01.2000	31.12.2018	2	1	<input type="checkbox"/>	Test_FA_NIP_2	<input checked="" type="checkbox"/>			○○○
Y001	FA 01.01.2000	31.12.2018	3	1	<input type="checkbox"/>	Dane przetworzone przez użytkownika CHMIELEWSKIS w dniu 07.02.2018 o godz. 16:03:29 (opis możliwy do zmiany przez użytkownika)	<input checked="" type="checkbox"/>			○○○

- There is a preview of generated files for defined parameters on the next selection screen with the status (f.e. 'Dane zapisane w DB', 'Dane zarchiwizowane', 'Dane przeslane do US w wersji testowej', etc.)
- If a file has 'Dane zapisane w DB' or 'Dane przeslane do US w wersji testowej' status, you can delete it by selecting 'Select' field and choosing the 'Delete' icon. Files archived and sent to US cannot be deleted.

### File storage directories

Transaction /BCC/JPKF allows to set default SAF file storage directories. So far, this function was available via /BCC/JPKC transaction.

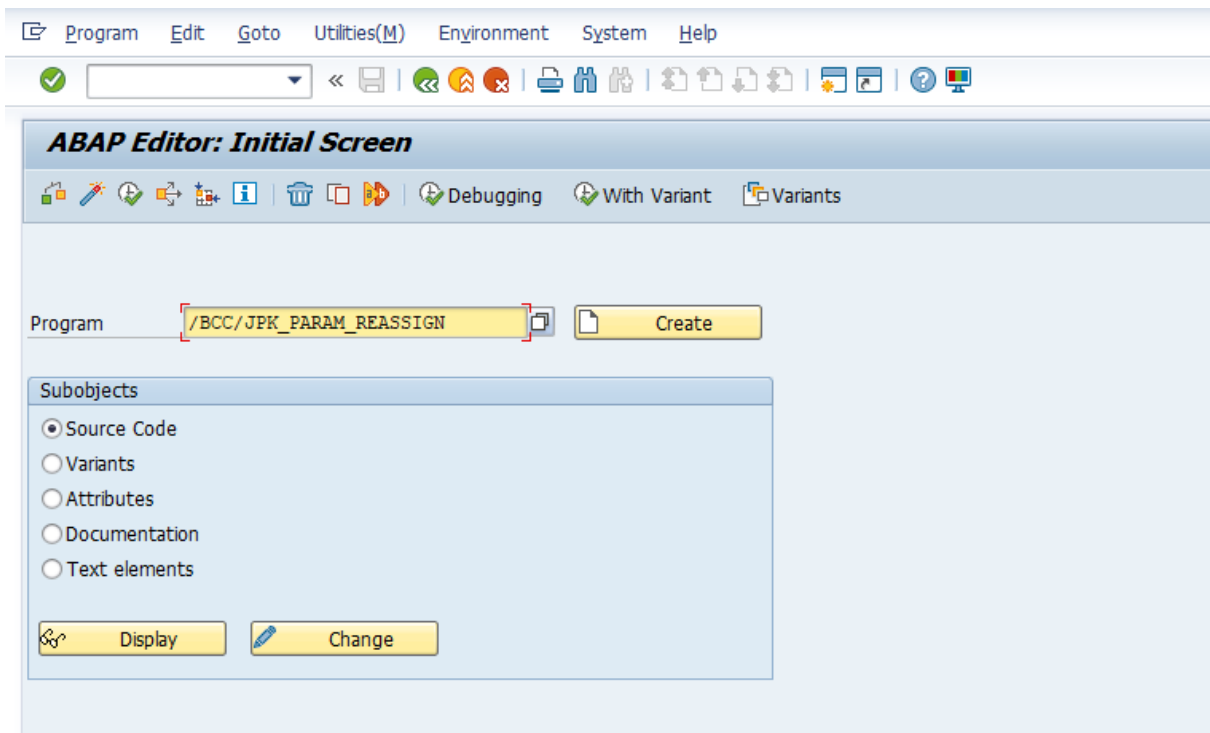


- Transaction allows to define default storage directory for particular SAF files.
- Fill the fields according to the example shown in the picture:
  - JG – define a Company Code for which the SAF files will be generated
  - JPK – choose the SAF file type for which the storage directory will be defined
  - Klucz konfiguracyjny – type the value from the picture (PATH\_XML)
  - Wartość klucza konfiguracyjnego – indicate the storage directory of SAF file for selected company code (JG) and SAF file type

## 8. Functionality activation

### 8.1. General parameters, for many structures

Parameters in SAF 3.0 have been divided into SAF file types. In order to organize and remove counterparts from the group 'Not Assigned', a /BCC/JPK\_PARAM\_REASSIGN program in SE38 transaction should be run.



### 8.1.1. Use of temporary tables

In order to reduce the memory resources needed during the SAF data processing, there has been introduced an option to save data in database temporary tables. The functionality activation takes place for each structure separately by setting parameter XXX100 for 'X'. If the parameter remains empty, the previous logic with the data record to internal tables of the program applies.

**IMPORTANT** Because of internal tables exclusion, the extensions written in the method READ\_DOC\_AFT will stop operating. In order to load data from temporary tables to internal ones before the method is called and to remove them after being called, you can activate XXX101 parameter. The considerable part of the optimization is then lost though. It is recommended to activate this functionality only for the structures which have memory issues, f.e. JPK KR and JPK MAG.

#### Activation steps:

The example for JPK VAT, one-level structure.

Same steps can be performed for the parameter FA0100 – Faktury wb0100 – Wyciągi bankowe, KR0100 – Ksiegi rachunkowe, MAG100 – Magazyny.



Table View Edit Goto Selection Utilities(M) System Help

✓ /N/BCC/JPKC 1

### Display View "SAF-T Files Type": Overview

Dialog Structure

- SAF-T Files Type 2
  - Basic information
  - Validation rules
  - Definitions parameters 4
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

SAF-T Files Type

JPK	Desc. of JPK file
	Not assigned
*	All SAF types
EWP	Registry income
FA	Invoices
KR	G/L accounts
MAG	Warehouse
PKR	Rev&Ex.Le
VAT	VAT registry 3
WB	Bank statements

Table View Edit Goto Selection Utilities(M) System Help

✓

### Display View "Definitions parameters": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters 6
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

JPK file type VAT

JPK gile type Ewidencja zakupu i sprzedaży VAT

Definitions parameters

Par.	Opis parametru wyboru
VAT001	VAT - Default VAT ID for trading partner without ID
VAT002	VAT - Package size read from SAP Tables
VAT003	VAT - activating "VAT Date" on selection screen
VAT004	VAT - Change the sign for output tax (1) - tax codes
VAT005	VAT - Change the sign for input tax (2) - tax codes
VAT006	VAT - NIP - remove the prefix different than PL
VAT007	VAT - NIP - remove the prefix PL
VAT008	WNT - supplier data for output VAT (implementing class /BCC/JPK_CL_VAT)
VAT009	Customer / vendor selection screen parameter
VAT010	Read values from tab. BSET (1-LWBAS, LWSTE, 2-H2BAS, H2STE, 3-H3BAS, H3STE,
VAT020	Date for change log analysis (1 - doc. creation date, 2 - document date, 3 - posting date)
VAT100	VAT - Transaction data storage to DB tables 5
VAT101	VAT - Export data to internal table before READ_DOC_AFT (parameter dependent from V
VAT102	VAT - Split XML to packages
VAT103	VAT - XML package size (number of components)
VAT_OK	JPK_VAT - OK_CODE function activation



**Change View "Parameter values": Details**

Parameter: VAT100

Item number: 1

Parameter values

Value: X 7

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

The result:

Start date	31.01.2000	Company Code	
End date	31.12.2017	CC ID	Y001
JKP file creation date	07.12.2018	Name	SPOLKA TESTOWA
Currency code	PLN	✓ JPK cor.	VAT Reg.No 9721091865
	81 S.R.	A. e-mail	bcc@bcc.com.pl
		System name	SAP

Inf.text: The data processed by the user KORECKID on 07.12.2018 at 15:03:17 (description possible to change by user)

CoCode	Year	DocumentNo	Item	TaxType	Tx	G/L Acc	D/C	LC bas.amt	LC tax	VATbas	VATtax	Invoice number	Type	Posting Date	Doc. Date	Date of sale	Date pur
Y001	2013	1100000003	1	1	A1	221100	H	25.046,73	1.753,27	15	16	FSK-3/2013	SK	07.01.2013	07.01.2013	07.01.2013	
Y001	2015	1100000001	1	1	A6	221100	H	1.915,45	440,55	17	18	F.VAT 2015	SK	26.03.2015	26.03.2015	26.03.2015	
Y001	2015	1100000002	1	1	A6	221100	H	51.426,02	11.827,98	17	18	F.VAT 2015 (2)	SK	30.03.2015	30.03.2015	30.03.2015	
Y001	2015	1100000003	1	1	A1	221100	H	31.042,06	2.172,94	15	16	F-RA 7	SK	29.03.2015	29.03.2015	29.03.2015	
Y001	2015	1100000004	1	1	A1	221100	H	58.328,04	4.082,96	15	16	F.VAT 2015 (5)	SK	12.03.2015	12.03.2015	12.03.2015	
Y001	2015	1100000005	1	1	A6	221100	H	2.645,53	608,47	17	18	TESTSTS	SK	22.02.2015	22.02.2015	22.02.2015	
Y001	2015	1100000006	1	1	A1	221100	H	100,00	23,00	15	16	TEST KOR	SK	16.08.2015	16.08.2015	16.08.2015	
Y001	2015	1100000006	2	1	A1	221100	S	100,00	23,01	15	16	TEST KOR	SK	16.08.2015	16.08.2015	16.08.2015	
Y001	2015	1200000001	1	1	A7	221100	H	63.756,91	14.664,09	19	20	15/2015	SE	16.03.2015	16.03.2015	16.03.2015	
Y001	2015	1200000002	1	1	A7	221100	H	2.947,16	677,84	19	20	15/2015	SE	18.03.2015	18.03.2015	18.03.2015	
Y001	2015	1200000003	1	1	A7	221100	H	27.437,40	6.310,60	19	20	15/2015	SE	28.03.2015	28.03.2015	28.03.2015	
Y001	2015	4700000136	1	1	I3	221300	H	84,24	0,00	21		TEST	KR	07.07.2015	23.06.2015	23.06.2015	
Y001	2017	9999999991	1	1				0,17	0,16	15	16	Kor. zaokrągleni-deklaracja 12/2017		31.12.2017	31.12.2017	31.12.2017	
Y001	2017	9999999991	2	1				0,47	0,47	19	20	Kor. zaokrągleni-deklaracja 12/2017		31.12.2017	31.12.2017	31.12.2017	
Y001	2017	9999999991	3	1				0,24	0,00	21		Kor. zaokrągleni-deklaracja 12/2017		31.12.2017	31.12.2017	31.12.2017	
Y001	2015	4700000136	2	2	I3	221400	S	19,38	19,38	44	45	TEST	KR	07.07.2015	23.06.2015		23.06.2015
Y001	2017	9999999992	1	2				0,38	0,38	44	45	Kor. zaokrągleni-deklaracja 12/2017		31.12.2017	31.12.2017		31.12.2017

For the processing time, the data is stored in temporary table /BCC/JPK\_VAT\_DW which is cleansed after the SAF completion. Each course of SAF has its own unique ID in the temporary table which looks as it follows:  
 <CompanyCode><SAFStructure><DataFrom><DataTO><SAFVersion>

Table Entry Edit Goto System Help

Display of Entries Found

Table to be searched: /BCC/JPK\_VAT\_DW

Number of hits: 500

Runtime: 0 Maximum no. of hits: 500

ID	CoCd	Year	DocumentNo	Item	TaxTyp	Tx	GL Acc	D/C	LC bas.amt	LC tax	VATbase	VATtax	Invoice number	Type	Posting Date	Doc. Date	Date of sale	D.purch.	Insertion date	Date recei
Y001VAT190001072016123124	1	Y001	2015	11000000001	1	1	A6	221100	H	1.915,45	440,55	17	18	F.VAT 2015	SK	26.03.2015	26.03.2015	26.03.2015	26.03.2015	26.03.2015
Y001VAT190001072016123124	2	Y001	2015	11000000002	1	1	A6	221100	H	51.426,02	11.827,98	17	18	F.VAT 2015 (2)	SK	30.03.2015	30.03.2015	30.03.2015	30.03.2015	30.03.2015
Y001VAT190001072016123124	3	Y001	2013	11000000003	1	1	A1	221100	H	25.046,73	1.753,27	15	16	FSK-3/2013	SK	07.01.2013	07.01.2013	07.01.2013	07.01.2013	05.01.2015
Y001VAT190001072016123124	4	Y001	2015	11000000003	1	1	A1	221100	H	31.042,06	2.172,94	15	16	F.RA 7	SK	29.03.2015	29.03.2015	29.03.2015	29.03.2015	30.05.2015
Y001VAT190001072016123124	5	Y001	2015	11000000004	1	1	A1	221100	H	58.328,04	4.082,96	15	16	F.VAT 2015 (5)	SK	12.03.2015	12.03.2015	12.03.2015	12.03.2015	12.03.2015
Y001VAT190001072016123124	6	Y001	2015	11000000005	1	1	A6	221100	H	2.645,53	608,47	17	18	TESTSTS	SK	22.02.2015	22.02.2015	22.02.2015	22.02.2015	22.02.2015
Y001VAT190001072016123124	7	Y001	2015	11000000006	1	1	A1	221100	H	100,00	23,00	15	16	TEST KOR	SK	16.08.2015	16.08.2015	16.08.2015	16.08.2015	16.08.2015
Y001VAT190001072016123124	8	Y001	2015	11000000006	2	1	A1	221100	S	100,00	23,01	15	16	TEST KOR	SK	16.08.2015	16.08.2015	16.08.2015	16.08.2015	16.08.2015
Y001VAT190001072016123124	9	Y001	2014	11000000007	1	1	A7	221100	H	4.000,00	0,00	17	18	TEST233456FFF	SK	23.01.2014	23.01.2014	23.01.2014	23.01.2014	23.01.2014
Y001VAT190001072016123124	10	Y001	2014	11000000007	1	1	A7	221100	H	4.000,00	0,00	19	20	TEST233456FFF	SK	23.01.2014	23.01.2014	23.01.2014	23.01.2014	23.01.2014
Y001VAT190001072016123124	11	Y001	2017	11000000029	1	1	A6	221100	H	559,45	440,55	17	18	TEST STORNO	SK	26.03.2017	26.03.2017	26.03.2017	26.03.2017	26.03.2015
Y001VAT190001072016123124	12	Y001	2017	11000000030	1	1	A6	221100	S	559,45	440,55	17	18	TEST STORNO	SK	26.03.2017	26.03.2017	26.03.2017	26.03.2017	26.03.2015
Y001VAT190001072016123124	13	Y001	2015	12000000001	1	1	A7	221100	H	63.756,91	14.664,09	17	18	15/2015	SE	16.03.2015	16.03.2015	16.03.2015	16.03.2015	16.03.2015
Y001VAT190001072016123124	14	Y001	2015	12000000001	1	1	A7	221100	H	63.756,91	14.664,09	19	20	15/2015	SE	16.03.2015	16.03.2015	16.03.2015	16.03.2015	16.03.2015
Y001VAT190001072016123124	15	Y001	2015	12000000002	1	1	A7	221100	H	2.947,16	677,84	17	18	15/2015	SE	18.03.2015	18.03.2015	18.03.2015	18.03.2015	18.03.2015
Y001VAT190001072016123124	16	Y001	2015	12000000002	1	1	A7	221100	H	2.947,16	677,84	19	20	15/2015	SE	18.03.2015	18.03.2015	18.03.2015	18.03.2015	18.03.2015
Y001VAT190001072016123124	17	Y001	2015	12000000003	1	1	A7	221100	H	27.437,40	6.310,60	17	18	15/2015	SE	28.03.2015	28.03.2015	28.03.2015	28.03.2015	28.03.2015
Y001VAT190001072016123124	18	Y001	2015	12000000003	1	1	A7	221100	H	27.437,40	6.310,60	19	20	15/2015	SE	28.03.2015	28.03.2015	28.03.2015	28.03.2015	28.03.2015
Y001VAT190001072016123124	19	Y001	2015	47000000136	1	1	I3	221300	H	84,24	19,38	21	22	TEST	KR	07.07.2015	23.06.2015	23.06.2015	07.07.2015	08.07.2015
Y001VAT190001072016123124	20	Y001	2015	47000000136	2	2	I3	221400	S	19,38	19,38	44	45	TEST	KR	07.07.2015	23.06.2015	23.06.2015	07.07.2015	08.07.2015
Y001VAT190001072016123124	21	Y001	2015	47000000137	1	1	I3	221300	H	0,05	0,01	21	22	TEST	KR	08.07.2015	08.07.2015	08.07.2015	08.07.2015	07.07.2015

### 8.1.2 File split during XML save to packages

In order to limit resources while saving the XML file there has been added the option to split the result file into smaller packages. Next package is appended to already existing XML file. This functionality activates for each structure separately by setting XXX102 parameter – Aktywacja podziału pakietu. The size of package may be controlled using XXX103 parameter in which user enters the number of components that are to find in the package. SAF table record is the component. The example for JPK VAT with separate components selected:

```

<ns:SprzedazWiersz >
  <ns:LpSprzedazy>1 </ns:LpSprzedazy>
  <ns:NrKontrahenta>123456790</ns:NrKontrahenta>
  <ns:NazwaKontrahenta>Dostawca krajowy</ns:NazwaKontrahenta>
  <ns:AdresKontrahenta>Testowa 123 00-600 Warszawa</ns:AdresKontrahenta>
  <ns:DowodSprzedazy>06/2015</ns:DowodSprzedazy>
  <ns:DataWystawienia>2016-07-30</ns:DataWystawienia>
  <ns:DataSprzedazy>2016-07-15</ns:DataSprzedazy>
  <ns:K_21>0.10</ns:K_21>
</ns:SprzedazWiersz>

```

```

<ns:SprzedazWiersz >
  <ns:LpSprzedazy>2 </ns:LpSprzedazy>
  <ns:NrKontrahenta>123456790</ns:NrKontrahenta>
  <ns:NazwaKontrahenta>Dostawca krajowy</ns:NazwaKontrahenta>
  <ns:AdresKontrahenta>Testowa 123 00-600 Warszawa</ns:AdresKontrahenta>
  <ns:DowodSprzedazy>06/2015</ns:DowodSprzedazy>
  <ns:DataWystawienia>2016-07-30</ns:DataWystawienia>
  <ns:DataSprzedazy>2016-07-16</ns:DataSprzedazy>
  <ns:K_21>0.10</ns:K_21>
</ns:SprzedazWiersz>

```

```

<ns:SprzedazWiersz >
  <ns:LpSprzedazy>3 </ns:LpSprzedazy>
  <ns:NrKontrahenta>123456790</ns:NrKontrahenta>
  <ns:NazwaKontrahenta>Testowy</ns:NazwaKontrahenta>
  <ns:AdresKontrahenta>Testowa 123 00-600 Warszawa</ns:AdresKontrahenta>
  <ns:DowodSprzedazy>REF 3/Y002</ns:DowodSprzedazy>
  <ns:DataWystawienia>2017-01-23</ns:DataWystawienia>
  <ns:K_17>3703.25</ns:K_17>
  <ns:K_18>851.75</ns:K_18>
  <ns:K_19>3703.25</ns:K_19>
  <ns:K_20>851.75</ns:K_20>
</ns:SprzedazWiersz>

```

Both data from SAF header and data from structures (f.e. control structures) are not considered separate components.

Example: VAT103 parameter has value 10 000. There are 10 000 items such as SprzedazWiersz and one package created. If there are more than 10 000, the file will be split into packages. The number of packages is always rounded up.

### Activation steps:

The example for JPK VAT, one-level structure.

Same steps can be performed for the parameter FA0102/103 – Faktury WB0102/103 – Wyciągi bankowe, KR0102/103 – Księgi rachunkowe, MAG102/103 – Magazyny

Table View Edit Goto Selection Utilities(M) System Help

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### Display View "SAF-T Files Type": Overview

Dialog Structure

- SAF-T Files Type 2
  - Basic information
  - Validation rules
  - Definitions parameters 4
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

SAF-T Files Type

JPK	Desc. of JPK file
	Not assigned
*	All SAF types
EWP	Registry income
FA	Invoices
KR	G/L accounts
MAG	Warehouse
PKR	Rev&Ex.Le
VAT	T registry 3
WB	Bank statements

Table View Edit Goto Selection Utilities(M) System Help

### Display View "Definitions parameters": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters 6
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

JPK file type VAT

JPK file type Ewidencja zakupu i sprzedaży VAT

Definitions parameters

Par.	Opis parametru wyboru
VAT001	VAT - Default VAT ID for trading partner without ID
VAT002	VAT - Package size read from SAP Tables
VAT003	VAT - activating "VAT Date" on selection screen
VAT004	VAT - Change the sign for output tax (1) - tax codes
VAT005	VAT - Change the sign for input tax (2) - tax codes
VAT006	VAT - NIP - remove the prefix different than PL
VAT007	VAT - NIP - remove the prefix PL
VAT008	WNT - supplier data for output VAT (implementing class /BCC/JPK_CL_VAT)
VAT009	Customer / vendor selection screen parameter
VAT010	Read values from tab. BSET (1-LWBAS, LWSTE, 2-H2BAS, H2STE, 3-H3BAS, H3STE,
VAT020	Date for change log analysis (1 - doc. creation date, 2 - document date, 3 - posting date)
VAT100	VAT - Transaction data storage to DB tables
VAT101	VAT - Export data to internal table before READ_DOC_AFT (parameter dependent from VAT)
VAT102	T - Split XML to packages 5
VAT103	VAT - XML package size (number of components)
VAT_OK	JPK_VAT - OK_CODE function activation

Parameter VAT102

Item number 1

Parameter values

Value X

Value VAT102 = 'X' – functionality activated,  
 VAT102 = empty – functionality not activated

**Change View "Definitions parameters": Overview**

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters**
    - Parameter values
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

JKP file type: VAT  
 JPK file type: Ewidencja zakupu i sprzedaży VAT

**Definitions parameters**

Par.	Opis parametru wyboru
VAI001	VAT - Default VAT ID for trading partner without ID
VAI002	VAT - Package size read from SAP Tables
VAI003	VAT - activating "VAT Date" on selection screen
VAI004	VAT - Change the sign for output tax (1) - tax codes
VAI005	VAT - Change the sign for input tax (2) - tax codes
VAI006	VAT - NIP - remove the prefix different than PL
VAI007	VAT - NIP - remove the prefix PL
VAI008	WNT – supplier data for output VAT (implementing class /BCC/JPK_CL_VAT)
VAI009	Customer / vendor selection screen parameter
VAI010	Read values from tab. BSET (1-LWBAS, LWSTE, 2-H2BAS, H2STE, 3-H3BAS, H3STE,
VAI020	Date for change log analysis (1 - doc. creation date, 2 - document date, 3 - posting date)
VAI100	VAT - Transaction data storage to DB tables
VAI101	VAT - Export data to internal table before READ_DOC_AFT (parameter dependent from VA
VAI102	VAT - Split XML to packages
<b>VAI103</b>	<b>T - XML package size (number of components)</b>
VAI_OK	JKP_VAT - OK_CODE function activation

Parameter: VAT103

Item number: 1

**Parameter values**

Value: 10000

While saving, the appropriate message about packages number will appear and be saved. If the program is interrupted while saving, the target file is incomplete and the process has to be repeated.

20181207	150622	KR: Write XML file to directory: .	/BCC/JPK_MESS	063	I
20181207	150622	1 / 1177 Generating XML Package	KEN_01	004	S
20181207	150622	2 / 1177 Generating XML Package	KEN_01	004	S
20181207	150622	3 / 1177 Generating XML Package	KEN_01	004	S
20181207	150622	4 / 1177 Generating XML Package	KEN_01	004	S
20181207	150622	5 / 1177 Generating XML Package	KEN_01	004	S
20181207	150622	6 / 1177 Generating XML Package	KEN_01	004	S
20181207	150622	7 / 1177 Generating XML Package	KEN_01	004	S

### 8.1.3 Data split during export to database

It is possible to split data into packages during the export to database  
 /BCC/JPK\_DB\_INDX – obszar AR. If size of the file exceeds 2 GB, SAP doesn't

allow to save data to database by one function EXPORT. Functionality activation is global and it is set by JPK014 parameter – Aktywacja i wybór trybu podziału and JPK015 – rozmiar paczki do podziału, which is expressed in components.

Extension activation changes file ID for a file in /BCC/JPK\_DB\_INDX table:

ID without split activation:

<CompanyCode><SAFStructure><DataFrom><DataTo><SAFVersion>

ID with split activation:

<CompanyCode><SAFStructure><DataFrom><DataTo><SAFVersion><PackageNumber>

The package ID is added at the end:

Table to be searched	/BCC/JPK_DB_INDX	JPK files - INDX table type
Number of hits	500	
Runtime	00:00:01	Maximum no. of hits 500
<div> </div>		
Area ID	Counter	Length
AR 0001VAT2017050120170531	1	0
AR 0001VAT2018010120180131	2	0
<div> </div>		

JPK014 may have following values:

Value '1' – split comes directly before calling the EXPORT method. The user operates on complete data and knows the number of packages that data will be split into by program.

Value '2' – split comes while reading data from table. It is recommended to use such mode especially with the use of temporary tables. First, the number of records from temporary or internal table is loaded to a separate structure and then it is exported to /BCC/JPK\_DB\_INDX. Once the export is done, the memory is released. For the two-level structure there will always be created at least two packages – one for header data and the other one for item data, because of storage in separate tables.

Empty – split is not activated

While reading data from database, the program verifies the all possible entries for a given ID which means it analyses whether one or more packages have been created. Because of this, deactivating the functionality will not have a negative impact on data reading process for split data.

JPK015 includes the number of components, rows seen on ALV in /BCC/JPK transaction. Header data (Company Code, settling accounts period, information text, etc.) are not considered during the split process and are always sent in one package. The example below includes 4 separate components:

JG	Rok	Nr dokum.	Poz	RdzPod	Pd	Kont.KG	W/M	Podst. WKr	Kw.pod.WKt	V.pods.	V.pod.	Numer faktury	Rodzaj	Data księgow.	Data dok.	Data sprzedaży	Data z
Y001	2013	1100000003	1	1	A1	221100	H	25.046,73	1.753,27	15	16	FSK-3/2013	SK	07.01.2013	07.01.2013	07.01.2013	
Y001	2015	1100000001	1	1	A6	221100	H	1.915,45	440,55	17	18	F.VAT 2015	SK	26.03.2015	26.03.2015	26.03.2015	
Y001	2015	1100000002	1	1	A6	221100	H	51.426,02	11.827,98	17	18	F.VAT 2015 (2)	SK	30.03.2015	30.03.2015	30.03.2015	
Y001	2015	1100000003	1	1	A1	221100	H	31.042,06	2.172,94	15	16	F-RA 7	SK	29.03.2015	29.03.2015	29.03.2015	

**Activation steps:**

Table View Edit Goto Selection Utilities(M) System Help

/n/bcc/jpkc 1

### Display View "SAF-T Files Type": Overview

Dialog Structure

- SAF-T Files Type 2
  - Basic information
  - Validation rules
  - Definitions parameters 4
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

SAF-T Files Type

JPK	Desc. of JPK file
	Not assigned
*	All SAF types 3
EWP	Registry income
FA	Invoices
KR	G/L accounts
MAG	Warehouse
PKR	Rev&Ex.Le
VAT	VAT registry
WB	Bank statements

Table View Edit Goto Selection Utilities(M) System Help

### Display View "Definitions parameters": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters 6
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

JPK file type \*

JPK gile type Wszystkie typy plików JPK

Definitions parameters

Par.	Opis parametru wyboru
JPAR01	JPK - Archive read all packages from archive session
JPK001	JPK - Company Code data from JPK configuration (complete data)
JPK002	JPK - Sets priority of extracting VAT ID from FI documents
JPK003	JPK - JPK file version - read lowest version
JPK004	JPK - Types of merged files
JPK005	JPK - Generate one file type in the transaction /BCC/JPKZ
JPK006	JPK - Merge - data from different company codes
JPK007	JPK - Implementing class for import data XLS/TXT
JPK008	JPK - Implementing classes for OK_CODE
JPK009	JPK - UPO verification - mark as correction
JPK010	JPK - XML groups where reason depends from number of corrections
JPK011	JPK - length of single line in XML file (parameter not used)
JPK012	JPK - Disable Tabs on selection screen
JPK013	Change & in Company name in XML header
JPK014	JPK - Split DB export to packages (1 - split all data to packages 2 - export data partly) 5
JPK015	JPK - Split data export to DB size (number of records)
JPK016	Lock SAF creation date for input
JPK_OK	JPK - list of deactivated OK_CODE
JPT001	JPT - Transfer - saving to file. Global status updates

Parameter JPK014

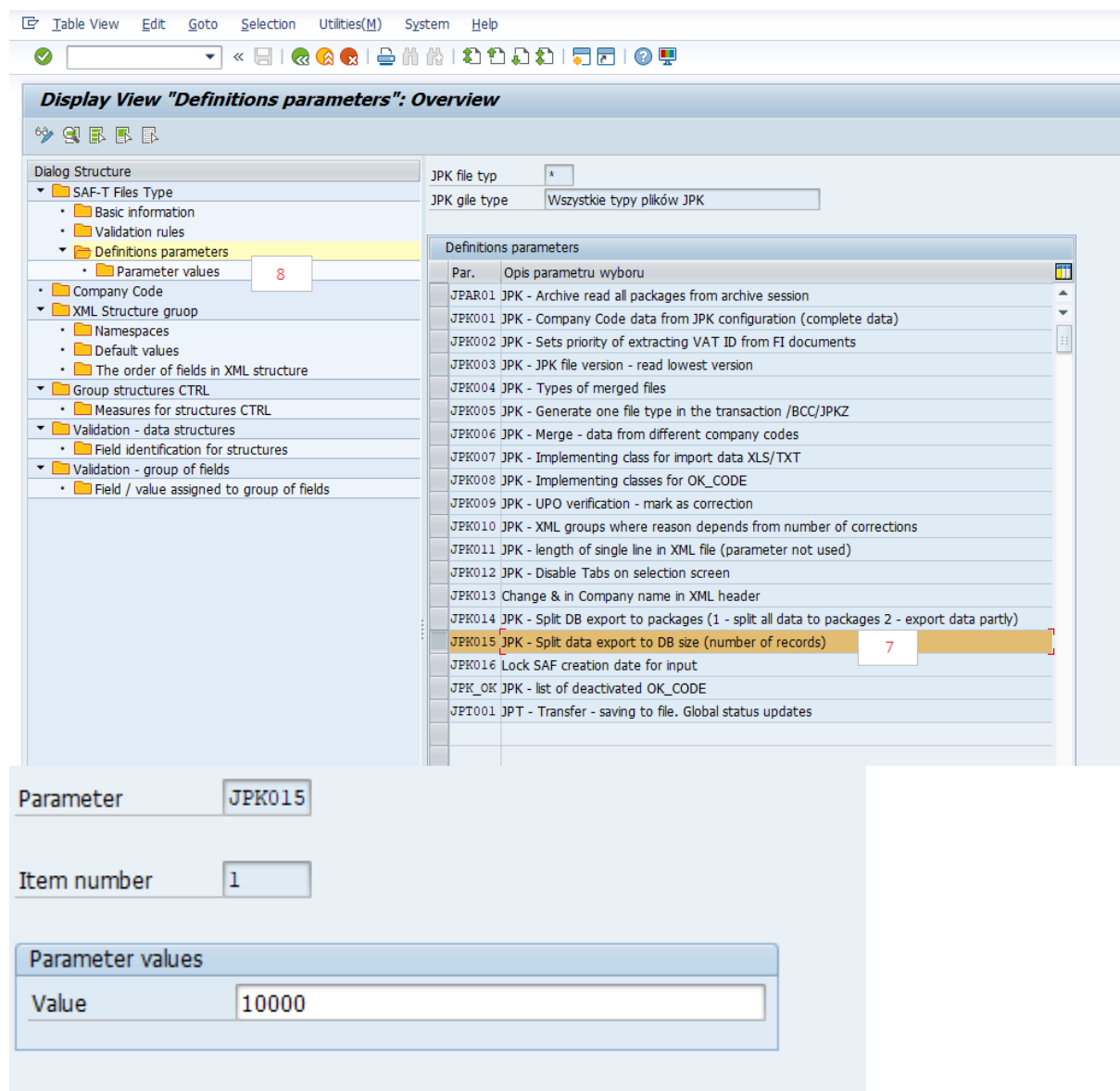
Item number 1

Parameter values

Value 2



Value 1, 2, empty



### 8.1.4 Hiding tabs on selection screen

The option to hide unnecessary tabs in /BCC/JPK transaction. It is possible to hide not implemented and unused structures by entering the tab in JPK012 parameter.

Set of parameters (adding entry will hide the tab):

- TAB\_PKP – hiding 'Podatkowa ksiega przychodów i rozchodów' tab
- TAB\_EWP – hiding 'Ewidencja przychodów' tab
- TAB\_WB – hiding 'Wyciągi bankowe' tab
- TAB\_KR – hiding 'Księgi rachunkowe' tab
- TAB\_MAG – hiding 'Magazyny' tab
- TAB\_FA – hiding 'Faktury VAT' tab
- TAB\_VAT – hiding 'Ewidencja zakupu i sprzedaży VAT' tab



## Activation steps:

The first screenshot shows the 'Display View "SAF-T Files Type": Overview' window. The 'Dialog Structure' tree on the left has 'SAF-T Files Type' selected (2). The 'SAF-T Files Type' table on the right shows 'All SAF types' selected (3). The 'JPK' column is highlighted (4).

The second screenshot shows the 'Display View "Definitions parameters": Overview' window. The 'Dialog Structure' tree on the left has 'Definitions parameters' selected (6). The 'Definitions parameters' table on the right shows 'JPK012 JPK - Disable Tabs on selection screen' selected (5).

**SAF-T Files Type**

JPK	Desc. of JPK file
	Not assigned
*	All SAF types
EWP	Registry income
FA	Invoices
KR	G/L accounts
MAG	Warehouse
PKR	Rev&Ex.Le
VAT	VAT registry
WB	Bank statements

**Definitions parameters**

Par.	Opis parametru wyboru
JPAR01	JPK - Archive read all packages from archive session
JPK001	JPK - Company Code data from JPK configuration (complete data)
JPK002	JPK - Sets priority of extracting VAT ID from FI documents
JPK003	JPK - JPK file version - read lowest version
JPK004	JPK - Types of merged files
JPK005	JPK - Generate one file type in the transaction /BCC/JPKZ
JPK006	JPK - Merge - data from different company codes
JPK007	JPK - Implementing class for import data XLS/TXT
JPK008	JPK - Implementing classes for OK_CODE
JPK009	JPK - UPO verification - mark as correction
JPK010	JPK - XML groups where reason depends from number of corrections
JPK011	JPK - length of single line in XML file (parameter not used)
JPK012	JPK - Disable Tabs on selection screen
JPK013	Change & in Company name in XML header
JPK014	JPK - Split DB export to packages (1 - split all data to packages 2 - export data partly)
JPK015	JPK - Split data export to DB size (number of records)
JPK016	Lock SAF creation date for input
JPK_OK	JPK - list of deactivated OK_CODE
JPT001	JPT - Transfer - saving to file. Global status updates

Parameter		JPK012
Parameter values		
	ItmNo.	Value
	0	TAB_PKP
	1	TAB_EWP

### 8.1.5 Changelog analysis correction

---

Counterparty data download error has been corrected in cases some changes appeared in a considered period.

Furthermore, the XXX020 parameter has been introduced. It is possible to define which document date should be taken into analysis within this parameter.

Possible entries

Document entry date

Document date

Posting date

Empty – default values for structure

The parameter is set for each structure separately. Each structure has default values.

Default values are assigned in

/BCC/JPK\_CL\_DATA=>READ\_CHANGELOG\_PARAM method.

Date analysis definition steps

Example for invoices. The parameter runs on other structures.

Table View Edit Goto Selection Utilities(M) System Help

/n/bcc/jpkc 1

### Display View "SAF-T Files Type": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

SAF-T Files Type

JPK	Desc. of JPK file
	Not assigned
*	All SAF types
EWP	Registry income
FA	Invoices
KR	G/L accounts
MAG	Warehouse
PKR	Rev&Ex.Le
VAT	VAT registry
WB	Bank statements

Table View Edit Goto Selection Utilities(M) System Help

### Display View "Definitions parameters": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

JPK file type: FA

JPK file type: Faktury VAT

Definitions parameters

Par.	Opis parametru wyboru
FA0001	Invoice Items rounding consistent with total value of invoice (amounts)
FA0002	Invoice Items rounding (percentage that is allowed in rounding FA0001)
FA0003	FA - Fix values SD positions. Parameter depending on FA0001.
FA0004	Invoice - Package size read from SAP tables
FA0005	Invoice - activates VAT accounts from FK0003
FA0006	Invoice - activating "Posting Date" on selection screen
FA0007	FA - SD - Gross positions
FA0008	FA - NIP - remove a prefix other than PL
FA0009	FA - NIP - remove the prefix PL
FA0010	Invoice - Change in extraction data algorithm
FA0011	FA - Hide purchase block on selection screen
FA0012	Company data in XML positions from ALV header
FA0013	Invoices - use local currency in Header (<FAKTURA>)
FA0020	Date for change log analysis (1 - doc. creation date, 2 - document date, 3 - posting date)
FA0100	FA - Transaction data storage into DB tables
FA0101	Data export to internal tables before extension READ_DOC_AFT (param dependent on FA0100)
FA0102	FA - Split XML to packages
FA0103	FA - XML Package size (number of components)
FA_OK	JPK_FA - OK_CODE function activation
FK0003	Invoice - define VAT Accounts

Parameter	FA0020
Item number	1
Parameter values	
Value	2

### 8.1.6 '&' change in Company Code name

The JPK013 parameter has been added and it changes '&' sign for '&amp;' in the Company name while generating the XML file. Because of large amount of user extensions which already fix presented situation, the necessity to introduce activating parameter appeared.

Activation steps:

The screenshot shows the SAP 'Display View "SAF-T Files Type": Overview' window. The interface includes a menu bar (Table View, Edit, Goto, Selection, Utilities(M), System, Help) and a toolbar with various icons. The main area is divided into two panes:

- Dialog Structure (Left Pane):** A tree view showing the hierarchy of the dialog. The 'SAF-T Files Type' folder is expanded, and its sub-items are listed: Basic information, Validation rules, Definitions parameters, and Parameter values. The 'Definitions parameters' folder is highlighted with a red box and labeled '4'.
- SAF-T Files Type (Right Pane):** A table listing the JPK file types and their descriptions. The table has two columns: 'JPK' and 'Desc. of JPK file'. The rows are:
 

JPK	Desc. of JPK file
	Not assigned
*	All SAF types
EWP	Registry income
FA	Invoices
KR	G/L accounts
MAG	Warehouse
PKR	Rev&Ex.Le
VAT	VAT registry
WB	Bank statements

 The 'All SAF types' row is highlighted with a red box and labeled '3'.

Table View Edit Goto Selection Utilities(M) System Help

Display View "Definitions parameters": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

JPk file type \*

JPk gile type Wszystkie typy plików JPK

Definitions parameters

Par.	Opis parametru wyboru
JPAR01	JPK - Archive read all packages from archive session
JPK001	JPK - Company Code data from JPK configuration (complete data)
JPK002	JPK - Sets priority of extracting VAT ID from FI documents
JPK003	JPK - JPK file version - read lowest version
JPK004	JPK - Types of merged files
JPK005	JPK - Generate one file type in the transaction /BCC/JPkZ
JPK006	JPK - Merge - data from different company codes
JPK007	JPK - Implementing class for import data XLS/TXT
JPK008	JPK - Implementing classes for OK_CODE
JPK009	JPK - UPO verification - mark as correction
JPK010	JPK - XML groups where reason depends from number of corrections
JPK011	JPK - length of single line in XML file (parameter not used)
JPK012	JPK - Disable Tabs on selection screen
JPK013	Change & in Company name in XML header
JPK014	JPK - Split DB export to packages (1 - split all data to packages 2 - export data partly)
JPK015	JPK - Split data export to DB size (number of records)
JPK016	Lock SAF creation date for input
JPK_OK	JPK - list of deactivated OK_CODE
JPT001	JPT - Transfer - saving to file. Global status updates

Parameter JPK013

Item number 1

Parameter values

Value
X

### 8.1.7 Text edition in /BCC/JPkM

The ability to edit information text in JPK merge has been added.

Company Code	Y001	Date from	01.11.2018	Date to	30.11.2018
JPk file creation date	03.12.2018				
JPk file type	VAT				
<input type="checkbox"/> Correction JPK					
<input checked="" type="checkbox"/> SAF-T text edit					
JPk - information text					

If the checkbox is unselected, SAF will receive a standard generated text:  
Data processed by user<User name>on<Date>at<Hour>.

Company Code	Y001	
Date from	01.11.2018	Date to 30.11.2018
JPk file creation date	03.12.2018	
JPk file type	<input checked="" type="checkbox"/>	
<input type="checkbox"/> Correction JPK		
<input type="checkbox"/> SAF-T text edit		
JPk - information text	The data processed by the user TOMCZAKA on 03.12.2...	

### 8.1.8 Field blockage with SAF creation date

According to the ministry constraints, the SAF creation date should not be modified. The field is always filled with current date after activation.

**JPk = SAF - Standard Audit File**

About application

Company Code	Y001	
Date (from)		Date (to)
JPk file version	1	
JPk file creation date	03.12.2018	

Activation steps:

Display View "SAF-T Files Type": Overview

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**Display View "SAF-T Files Type": Overview**

Dialog Structure	SAF-T Files Type																				
<ul style="list-style-type: none"> <li>SAF-T Files Type 2           <ul style="list-style-type: none"> <li>Basic information</li> <li>Validation rules</li> <li>Definitions parameters               <ul style="list-style-type: none"> <li>Parameter values</li> </ul> </li> <li>Company Code</li> <li>XML Structure group               <ul style="list-style-type: none"> <li>Namespaces</li> <li>Default values</li> <li>The order of fields in XML structure</li> </ul> </li> <li>Group structures CTRL               <ul style="list-style-type: none"> <li>Measures for structures CTRL</li> </ul> </li> <li>Validation - data structures               <ul style="list-style-type: none"> <li>Field identification for structures</li> </ul> </li> <li>Validation - group of fields               <ul style="list-style-type: none"> <li>Field / value assigned to group of fields</li> </ul> </li> </ul> </li> </ul>	<table border="1"> <thead> <tr> <th>JPk</th> <th>Desc. of JPK file</th> </tr> </thead> <tbody> <tr> <td></td> <td>Not assigned</td> </tr> <tr> <td>*</td> <td>All SAF types 3</td> </tr> <tr> <td>EWP</td> <td>Registry income</td> </tr> <tr> <td>FA</td> <td>Invoices</td> </tr> <tr> <td>KR</td> <td>G/L accounts</td> </tr> <tr> <td>MAG</td> <td>Warehouse</td> </tr> <tr> <td>PKR</td> <td>Rev&amp;Ex.Le</td> </tr> <tr> <td>VAT</td> <td>VAT registry</td> </tr> <tr> <td>WB</td> <td>Bank statements</td> </tr> </tbody> </table>	JPk	Desc. of JPK file		Not assigned	*	All SAF types 3	EWP	Registry income	FA	Invoices	KR	G/L accounts	MAG	Warehouse	PKR	Rev&Ex.Le	VAT	VAT registry	WB	Bank statements
JPk	Desc. of JPK file																				
	Not assigned																				
*	All SAF types 3																				
EWP	Registry income																				
FA	Invoices																				
KR	G/L accounts																				
MAG	Warehouse																				
PKR	Rev&Ex.Le																				
VAT	VAT registry																				
WB	Bank statements																				

**Display View "Definitions parameters": Overview**

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values **6**
- Company Code
- XML Structure group
  - Namespaces
  - Default values
  - The order of fields in XML structure
- Group structures CTRL
  - Measures for structures CTRL
- Validation - data structures
  - Field identification for structures
- Validation - group of fields
  - Field / value assigned to group of fields

JPK file type

JPK gile type

Definitions parameters

Par.	Opis parametru wyboru
JPAR01	JPK - Archive read all packages from archive session
JPK001	JPK - Company Code data from JPK configuration (complete data)
JPK002	JPK - Sets priority of extracting VAT ID from FI documents
JPK003	JPK - JPK file version - read lowest version
JPK004	JPK - Types of merged files
JPK005	JPK - Generate one file type in the transaction /BCC/JPKZ
JPK006	JPK - Merge - data from different company codes
JPK007	JPK - Implementing class for import data XLS/TXT
JPK008	JPK - Implementing classes for OK_CODE
JPK009	JPK - UPO verification - mark as correction
JPK010	JPK - XML groups where reason depends from number of corrections
JPK011	JPK - length of single line in XML file (parameter not used)
JPK012	JPK - Disable Tabs on selection screen
JPK013	Change & in Company name in XML header
JPK014	JPK - Split DB export to packages (1 - split all data to packages 2 - export data partly)
JPK015	JPK - Split data export to DB size (number of records)
<b>JPK016</b>	<b>Lock SAF creation date for input</b>
JPK_OK	JPK - list of deactivated OK_CODE
JPT001	JPT - Transfer - saving to file. Global status updates

**5**

Parameter

Item number

Parameter values

Value
<input type="text" value="X"/>

### 8.1.9 Enhancement of numbering range

There is an option to enhance the numbering range of SAF version. New numbering range: 01-ZZ.

Numbering range activation is done by sending the package with change in data element /BCC/JPKW\_ED\_WERJPK by SNP. No operations related to SAF can be carried out while uploading changes which means that no files should be created or sent during the process. Once the uploading is done, a return to the previous range 01-99 requires additional work with generating SAF tables and there is a risk of data loss, which is why it is not recommended to undo the introduced change.

What is more, after the introduced change it is necessary to generate once again the existing variants. Otherwise, it will be impossible to use them.

Rerun of variants:

Tcode SE38

Program: RSVARDOC\_610

**ABAP Editor: Initial Screen**

se38 1

**ABAP Editor: Initial Screen**

3

Program RSVARDOC\_610 2 Create

Subobjects

- ☒ Source Code
- ☐ Variants
- ☐ Attributes
- ☐ Documentation
- ☐ Text elements

Display Change

**Rescue obsolete variants**

3

S_REPORT	1	/BCC/JPK	to		
S_VARI	2	*	to		
SYSVAR		X			

### 8.1.10 Data read for the entire archiving process

Once the archiving file has been divided into smaller ones, the problem with data read occurred. Only the last file from archive session was saved in SAF tables. The ability to read files from the entire process was added by JPAR01 parameter activation.

JPK file typ \*

JPK gile type Wszystkie typy plików JPK

**Definitions parameters**

Par.	Opis parametru wyboru
JPAR01	JPK - Archive read all packages from archive session



Parameter

Item number

Parameter values

Value

### 8.1.11 Adding buttons on ALV

The transferring buttons to EasyVAT and Excel4JPK products have been added to /BCC/JPK.

**SAF Files - VAT registry ( version 24 )**

Start date	31.01.2000	Company Code	CC ID	Y001
End date	31.12.2018	Name	SPOLKA TESTOWA	
JPK file creation date	07.12.2018	VAT Reg.No	9721091865	
Currency code	PLN	A. e-mail	bcc@bcc.com.pl	
	22 S.R.	System name	SAP	

Inf.text The data processed by the user TOMCZAKA on 07.12.2018 at 16:18:53 (description possible to change by user)

The icons can be edited in /BCC/JPKC

**Display View "SAF-T Files Type": Overview**

**Display View "SAF-T Files Type": Overview**

Dialog Structure	SAF-T Files Type
SAF-T Files Type	JPK Desc. of JPK file
Basic information	Not assigned
Validation rules	* All SAF types
Definitions parameters	EWP Registry income
Parameter values	FA Invoices
Company Code	KR G/L accounts
XML Structure group	MAG Warehouse
Namespaces	PKR Rev&Ex.Le
Default values	VAT VAT registry
The order of fields in XML structure	WB Bank statements
Group structures CTRL	
Measures for structures CTRL	
Validation - data structures	
Field identification for structures	
Validation - group of fields	
Field / value assigned to group of fields	

Button BT\_JP1 – EasyVAT


BT\_JP2 – Excel4JPK

JPK file typ   
 JPK gile type

Definitions parameters	
Par.	Opis parametru wyboru
BT_JP1	EasyVAT4JPK - Button activation in /BCC/JPK
BT_JP2	SAF-T Report - Button activation in /BCC/JPK

Description and icons edition in parameters value

Parameter

Parameter values	
ItmNo.	Value
1	Deklaracje VAT
2	
3	Dekl. VAT

Tooltip after pointing cursor in the particular place on the screen


Icon

Description placed in a button

OK\_CODE support additionally. Providing class with the implementation public static method ok\_code in JPK008 parameter

Example for given products

Parameter

Parameter values	
ItmNo.	Value
1	Raporty JPK
2	
3	JPK rep.

### 8.1.12 File merge process activation by JPKM

JPK004 – file types for which it is possible to perform merge with JPKM and JPK transaction. Possible entries:

- VAT
- MAG
- FA

Activation steps and types assignment:

Display View "Definitions parameters": Overview

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Display View "Definitions parameters": Overview

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters 2
    - Parameter values 4
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

JPK file type \*

JPK file type Wszystkie typy plików JPK

Definitions parameters

Par.	Opis parametru wyboru
JPAR01	JPK - Archive read all packages from archive session
JPK001	JPK - Company Code data from JPK configuration (complete data)
JPK002	JPK - Sets priority of extracting VAT ID from FI documents
JPK003	JPK - JPK file version - read lowest version
JPK004	JPK - Types of merged files 3
JPK005	JPK - Generate one file type in the transaction /BCC/JPKZ
JPK006	JPK - Merge - data from different company codes
JPK007	JPK - Implementing class for import data XLS/TXT
JPK008	JPK - Implementing classes for OK_CODE
JPK009	JPK - UPO verification - mark as correction
JPK010	JPK - XML groups where reason depends from number of corrections
JPK011	JPK - length of single line in XML file (parameter not used)
JPK012	JPK - Disable Tabs on selection screen
JPK013	Change & in Company name in XML header
JPK014	JPK - Split DB export to packages (1 - split all data to packages 2 - export data partly)
JPK015	JPK - Split data export to DB size (number of records)
JPK016	Lock SAF creation date for input
JPK_OK	JPK - list of deactivated OK_CODE
JPT001	JPT - Transfer - saving to file. Global status updates

Change View "Parameter values": Overview

New Entries

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

Parameter JPK004

Parameter values

ItmNo.	Value
1	MAG
2	VAT
3	FA

Entries can be added/deleted – this will create the opportunity or lack of it to merge SAF files for a given structure.

The ability to edit information text in JPK merge has been added.

Company Code	Y001	
Date from	01.11.2018	Date to 30.11.2018
JPK file creation date	06.12.2018	
JPK file type	VAT	
<input type="checkbox"/> Correction JPK		
<input checked="" type="checkbox"/> SAF-T text edit		
JPK - information text	Text	

If the checkbox is unselected, SAF will receive a standard generated text:  
Data processed by user<User name>on<Date>at<Hour>.

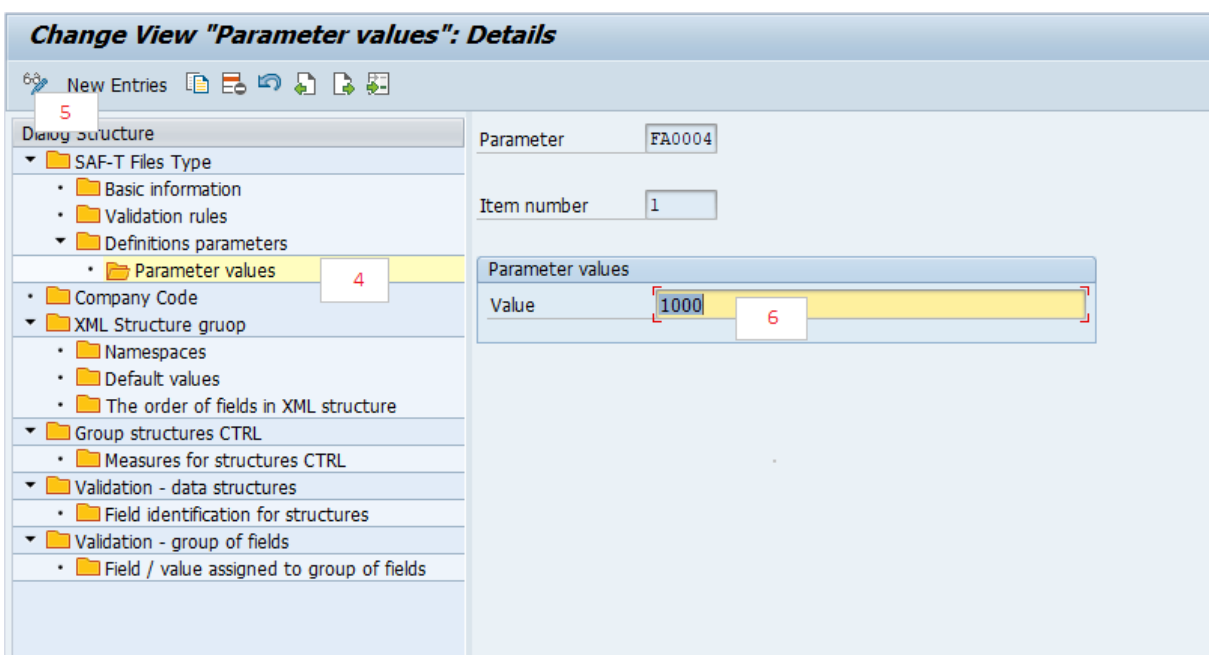
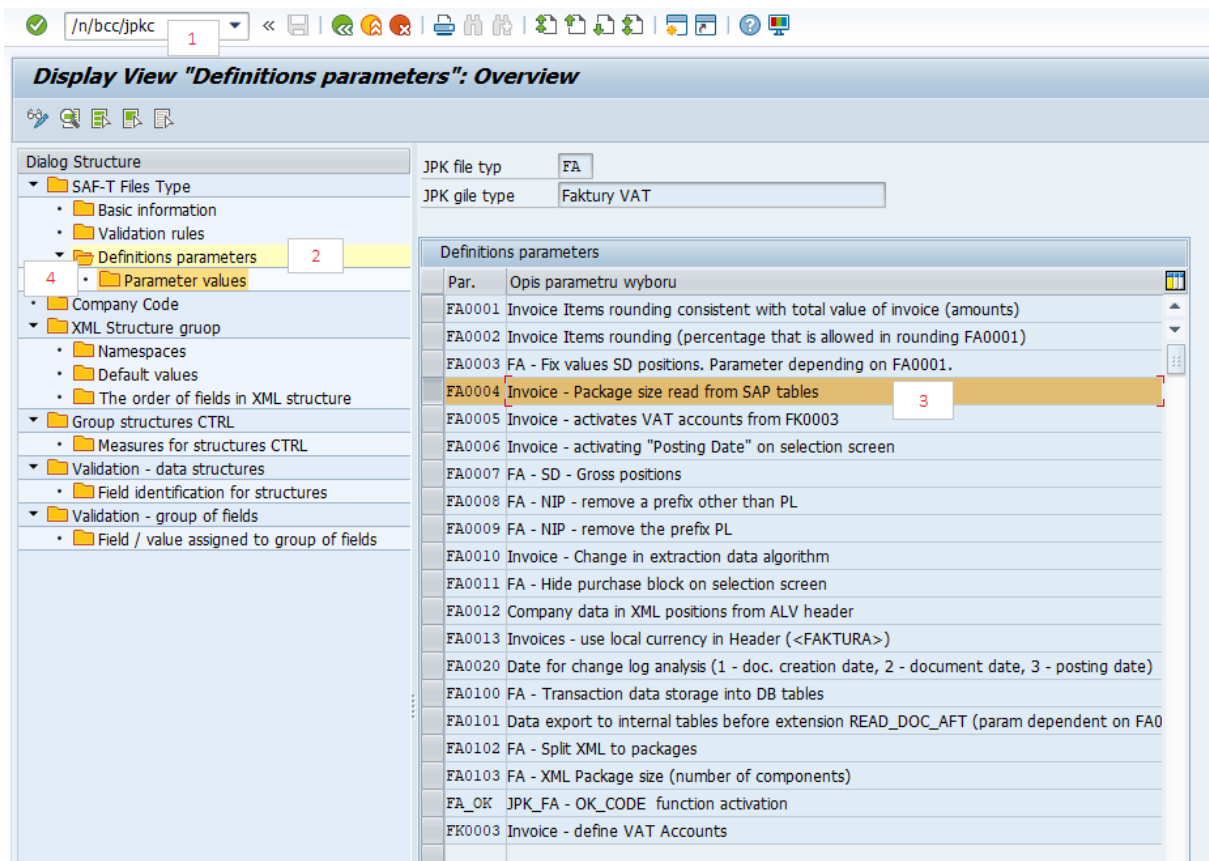
Company Code	Y001	
Date from	01.11.2018	Date to 30.11.2018
JPK file creation date	06.12.2018	
JPK file type	VAT	
<input type="checkbox"/> Correction JPK		
<input type="checkbox"/> SAF-T text edit		
JPK - information text	The data processed by the user TOMCZAKA on 06.12.2...	

### 8.1.13 Package size for data downloaded from database

The following parameters are used to define the number of entries for which the particular JPK transactions run queries to SAP tables. Depending on servers technical capabilities, the bigger values may show higher efficiency.

- KR: KR0003 KR – package size read from SAP tables for FI documents (klasa/BCC/JPK\_CL\_KR\_BP)
- KR0004 KR – package size read from SAP tables for FI documents (klasa/BCC/JPK\_CL\_KR\_NGL)
- KR0005 KR - package size read from SAP tables for FI documents (klasa/BCC/JPK\_CL\_KR\_PP )
- WB: WB0003 WB - package size read from SAP tables for bank statements
- MAG: MAG004 MAG - package size read from SAP tables for MM documents
- VAT: VAT002 VAT - package size read from SAP tables for FI documents (VAT)
- FA: FA0004 FA - package size read from SAP tables for invoices

Change in the size of the package (accordingly for all the above parameters):



### 8.1.14 Removal of prefix in NIP

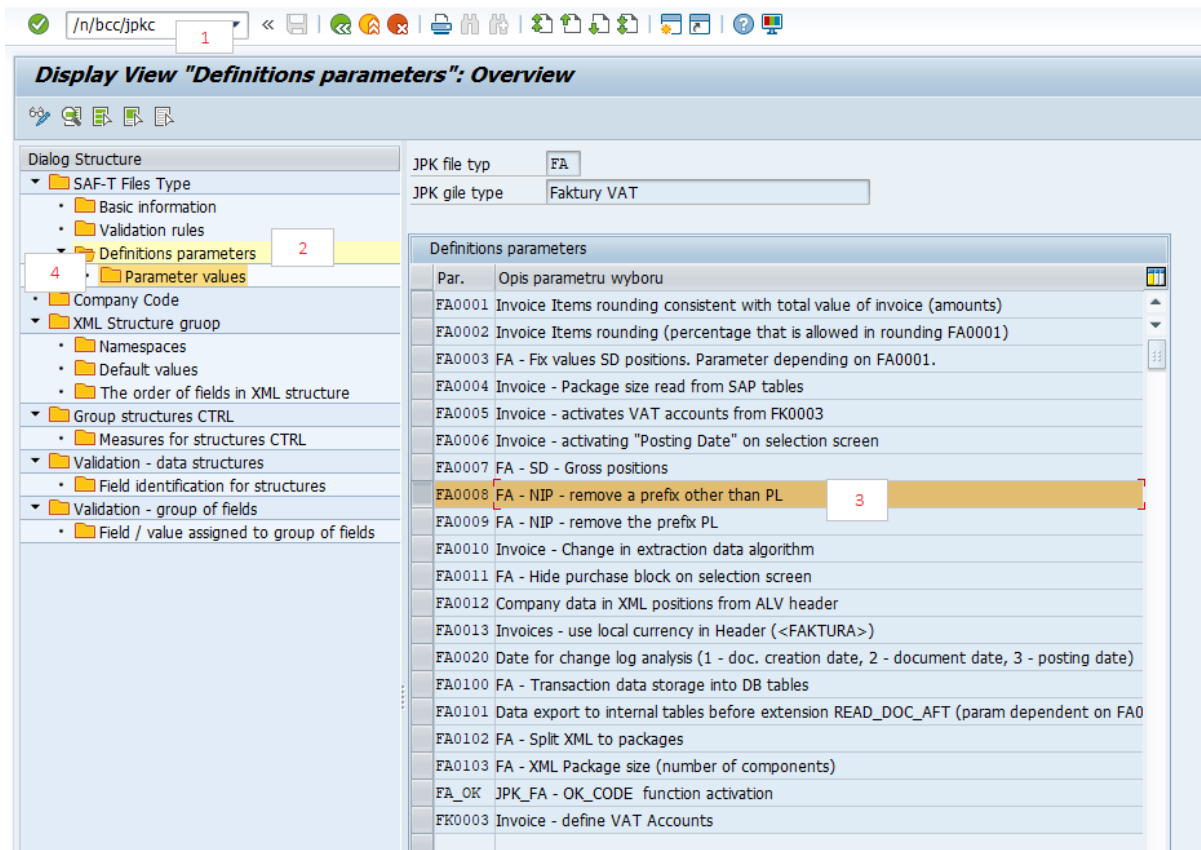
It is possible to remove NIP prefixes on JPK FA and JPK VAT

- FA0008 – removal of prefix other than PL
- FA0009 – removal of PL prefix
- VAT006 – removal of prefix other than PL

- VAT007 – removal of PL prefix

Functionality activation takes place for selected parameter by setting its value for 'X'.

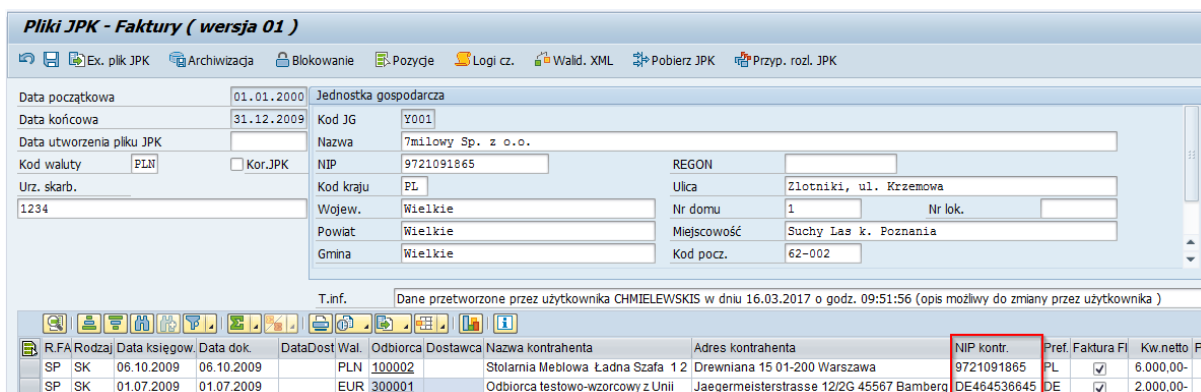
Activation steps based on the example of FA0008 parameter:



The result for parameters:

- FA0008 – removal of prefix other than PL – empty value
- FA0009 – removal of PL prefix – assigned value 'X'

The following example presents the removal of PL prefix with NIP and the prefix for the foreign counterparty with prefix other than PL, which remains without changes.



The result for parameters:

- FA0008 – removal of prefix other than PL – assigned value 'X'
- FA0009 – removal of PL prefix – empty value

The following example presents remaining PL prefix with NIP without changes and the prefix for the foreign counterparty with prefix other than PL, which is removed.

**Pliki JPK - Faktury ( wersja 01 )**

Ex. plik JPK Archiwizacja Blokowanie Pozycje Logi cz. Walid. XML Pobierz JPK Przyp. rozl. JPK

Data początkowa: 01.01.2000 Jednostka gospodarcza: Y001  
 Data końcowa: 31.12.2009  
 Data utworzenia pliku JPK:   
 Kod waluty: PLN ☐ Kor.JPK  
 Urz. skarb.: 1234  
 Nazwa: 7milowy Sp. z o.o.  
 NIP: 9721091865 REGION:   
 Kod kraju: PL Ulica: Złotniki, ul. Krzemowa  
 Wojew.: Wielkie Nr domu: 1 Nr lok.:   
 Powiat: Wielkie Miejscowość: Suchy Las k. Poznań  
 Gmina: Wielkie Kod pocz.: 62-002

T.inf. Dane przetworzone przez użytkownika CHMIELEWSKIS w dniu 16.03.2017 o godz. 09:53:44 (opis możliwy do zmiany przez użytkownika)

R.FA	Rodzaj	Data księgow.	Data dok.	DataDost	Wal.	Odbiorca	Dostawca	Nazwa kontrahenta	Adres kontrahenta	NIP kontrahenta	Pref.	Faktura FI	Kw.netto	P
SP	SK	06.10.2009	06.10.2009		PLN	100002		Stolarnia Meblowa Ładna Szafa 12	Drewniana 15 01-200 Warszawa	PL9721091865	PL	<input checked="" type="checkbox"/>	6.000,00-	
SP	SK	01.07.2009	01.07.2009		EUR	300001		Odbiorca testowo-wzorcowy z Unii	Jaegermeisterstrasse 12/2G 45567 Bamberg	464536645	DE	<input checked="" type="checkbox"/>	2.000,00-	

Activation steps based on the example of VAT007 parameter:

/n/bcc/jpkc 1

**Display View "Definitions parameters": Overview**

Dialog Structure

- SAF-T File Type
  - Basic information
  - Validation rules
  - Definitions parameters **2**
    - Parameter values **4**
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

JPK file type: VAT  
 JPK file type: Ewidencja zakupu i sprzedaży VAT

Definitions parameters

Par.	Opis parametru wyboru
VAT001	VAT - Default VAT ID for trading partner without ID
VAT002	VAT - Package size read from SAP Tables
VAT003	VAT - activating "VAT Date" on selection screen
VAT004	VAT - Change the sign for output tax (1) - tax codes
VAT005	VAT - Change the sign for input tax (2) - tax codes
VAT006	VAT - NIP - remove the prefix different than PL
<b>VAT007</b>	<b>VAT - NIP - remove the prefix PL</b> <b>3</b>
VAT008	WNT – supplier data for output VAT (implementing class /BCC/JPK_CL_VAT)
VAT009	Customer / vendor selection screen parameter
VAT010	Read values from tab. BSET (1-LWBAS, LWSTE, 2-H2BAS, H2STE, 3-H3BAS, H3STE,
VAT020	Date for change log analysis (1 - doc. creation date, 2 - document date, 3 - posting date)
VAT100	VAT - Transaction data storage to DB tables
VAT101	VAT - Export data to internal table before READ_DOC_AFT (parameter dependent from VA
VAT102	VAT - Split XML to packages
VAT103	VAT - XML package size (number of components)
VAT_OK	JPK_VAT - OK_CODE function activation

The result for parameters:

- VAT006 – removal of prefix other than PL – empty value
- VAT007 – removal of PL prefix – assigned value 'X'

The following example presents the removal of PL prefix with NIP and the prefix for the foreign counterparty with prefix other than PL, which remains without changes.



**Pliki JPK - Ewidencje zak. i sprzed. VAT (wersja 02)**

Ex. plik JPK Archiwizacja Blokowanie Logi cz. Walid. XML Pobierz JPK Przyp. rozl. JPK

Data początkowa: 31.01.2000 Jednostka gospodarcza  
 Data końcowa: 31.12.2017 Kod JG: Y001  
 Data utworzenia pliku JPK: 06.02.2016 Nazwa: WĄSILIK I SPÓŁKA SP.K.  
 Kod waluty: PLN Kor.JPK: ☐ NIP: 9721091865 REGON:   
 Urz. skarb.: 1223 Kod kraju: PL Ulica: KLONOWA  
 Wojew.: WIELKIE Nr domu: 12 Nr lok.: 12  
 Powiat: ZALESIONY Miejscowość: POZ  
 Gmina: UTUCZONA Kod poczt.: 61-000

T.inf. Dane przetworzone przez użytkownika CHMIELEWSKIS w dniu 16.03.2017 o godz. 09:26:53 (opis możliwy do zmiany przez użytkownika)

Rodzaj	Data księgow.	Data dok.	D. sprzedaży	D. zak.	D. wyst.	D. wpt.	Odbiorca	Dostawca	Nazwa kontrahenta	Adres kontrahenta	NIP kontr.	Wal.
SK	07.01.2013	07.01.2013	05.01.2015		07.06.2013		100002		Stolarnia Meblowa "Ładna Szafa" 1 2 3	Drewniana 15 01-200 Warszawa	9721091865	PLN
SK	29.03.2015	29.03.2015	30.05.2015		14.04.2015		100003		PHU KONIMEX Jedn. Powiązane	ul. Grochowska 316 00-023 Warszawa	1180021339	PLN
SE	16.03.2015	16.03.2015	16.03.2015		14.04.2015		300002		Kowalstwo artystyczne Unia Powiązany	Zielona 34/122 40400 Berlin	DE121212121	PLN
SE	16.03.2015	16.03.2015	16.03.2015		14.04.2015		300002		Kowalstwo artystyczne Unia Powiązany	Zielona 34/122 40400 Berlin	DE121212121	PLN

The result for parameters:

- VAT006 – removal of prefix other than PL – assigned value 'X'
- VAT007 – removal of PL prefix – empty value

The following example presents the removal of prefix other than PL from NIP number and the prefix for the native counterparty with PL prefix, which remains without changes.

**Pliki JPK - Ewidencje zak. i sprzed. VAT (wersja 02)**

Ex. plik JPK Archiwizacja Blokowanie Logi cz. Walid. XML Pobierz JPK Przyp. rozl. JPK

Data początkowa: 31.01.2000 Jednostka gospodarcza  
 Data końcowa: 31.12.2017 Kod JG: Y001  
 Data utworzenia pliku JPK: 06.02.2016 Nazwa: WĄSILIK I SPÓŁKA SP.K.  
 Kod waluty: PLN Kor.JPK: ☐ NIP: 9721091865 REGON:   
 Urz. skarb.: 1223 Kod kraju: PL Ulica: KLONOWA  
 Wojew.: WIELKIE Nr domu: 12 Nr lok.: 12  
 Powiat: ZALESIONY Miejscowość: POZ  
 Gmina: UTUCZONA Kod poczt.: 61-000

T.inf. Dane przetworzone przez użytkownika CHMIELEWSKIS w dniu 16.03.2017 o godz. 09:43:26 (opis możliwy do zmiany przez użytkownika)

Rodzaj	Data księgow.	Data dok.	D. sprzedaży	D. zak.	D. wyst.	D. wpt.	Odbiorca	Dostawca	Nazwa kontrahenta	Adres kontrahenta	NIP kontrahenta	Wal.
SK	07.01.2013	07.01.2013	05.01.2015		07.06.2013		100002		Stolarnia Meblowa "Ładna Szafa" 1 2 3	Drewniana 15 01-200 Warszawa	PL9721091865	PLN
SK	29.03.2015	29.03.2015	30.05.2015		14.04.2015		100003		PHU KONIMEX Jedn. Powiązane	ul. Grochowska 316 00-023 Warszawa	PL1180021339	PLN
SE	16.03.2015	16.03.2015	16.03.2015		14.04.2015		300002		Kowalstwo artystyczne Unia Powiązany	Zielona 34/122 40400 Berlin	121212121	PLN
SE	16.03.2015	16.03.2015	16.03.2015		14.04.2015		300002		Kowalstwo artystyczne Unia Powiązany	Zielona 34/122 40400 Berlin	121212121	PLN

### 8.1.15 JPKZ new version activation

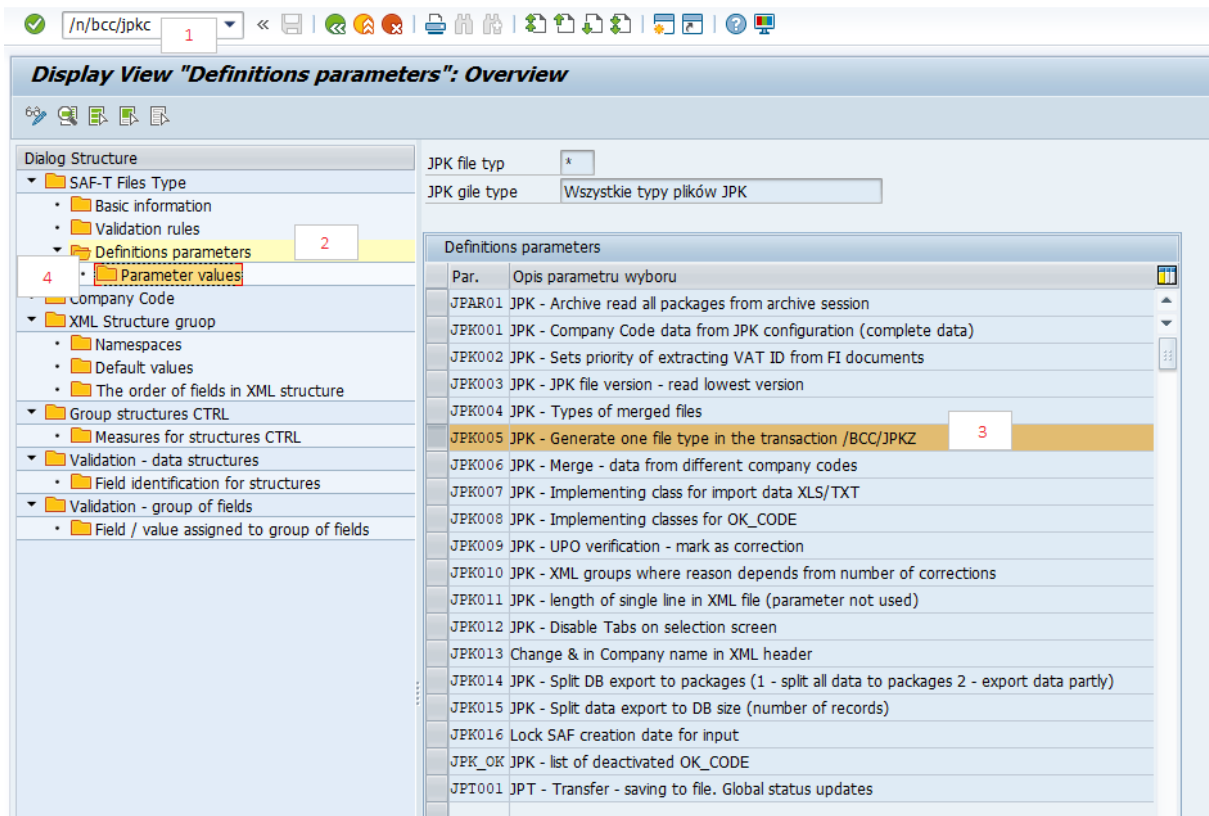
A new parameter will be created:

JPK005 JPK parameter – generating one type of file in JPKZ transaction

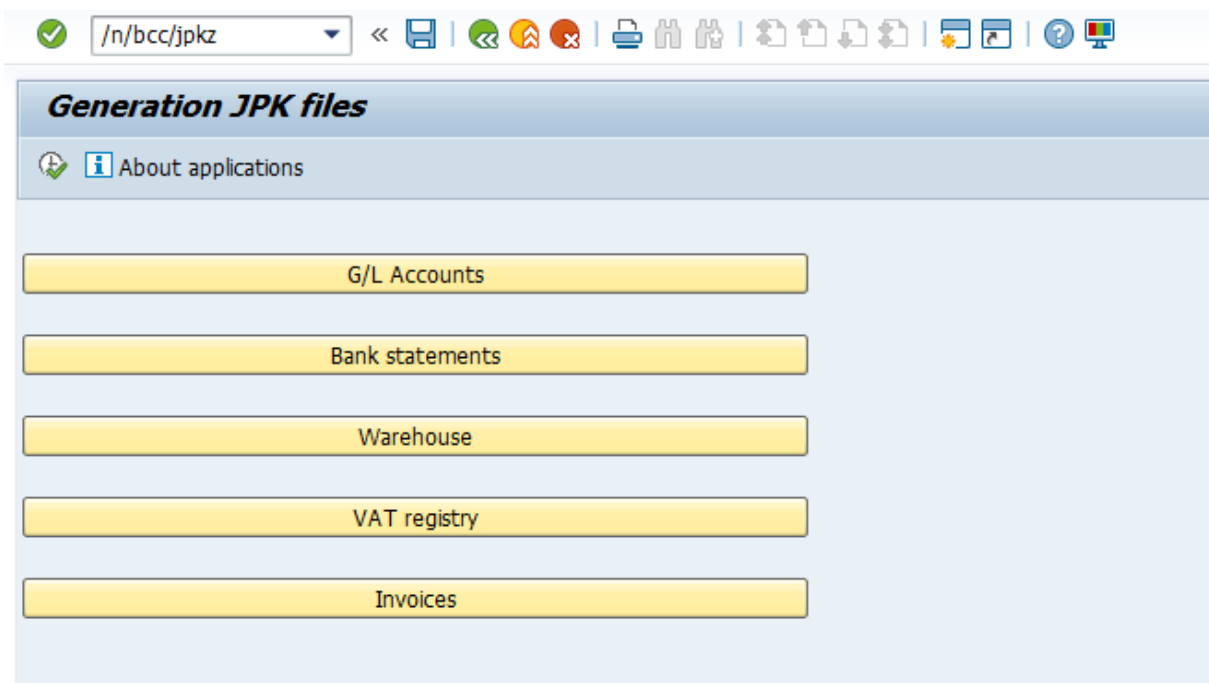
Details:

Changes activation:





The JPKZ transaction screen will be changed – it will only allow to choose the structure for which the SAF will be generated.



Next screen should be filled accordingly to the previous steps.

**VAT - Generation JPK files**

Company Code

Date (from)  Date (to)

JPK file creation date

☐ Correction JPK

P\_CELZL

☐ Data addr.-log analysis

---

**Data output control**

☐ Export data to XML file

Directory: ☐ Local ☐ Network

☐ Generate JPK for every day

---

**VAT registry**

☒ Tax Report Date  to

☐ Posting date

☐ Document date

☒ Rounding tax to full PLN

☐

☐

☐

☐

---

**Sale**

☒ Registry sales

☐ Zmiana znaku dla p. należnego

Document type - sale

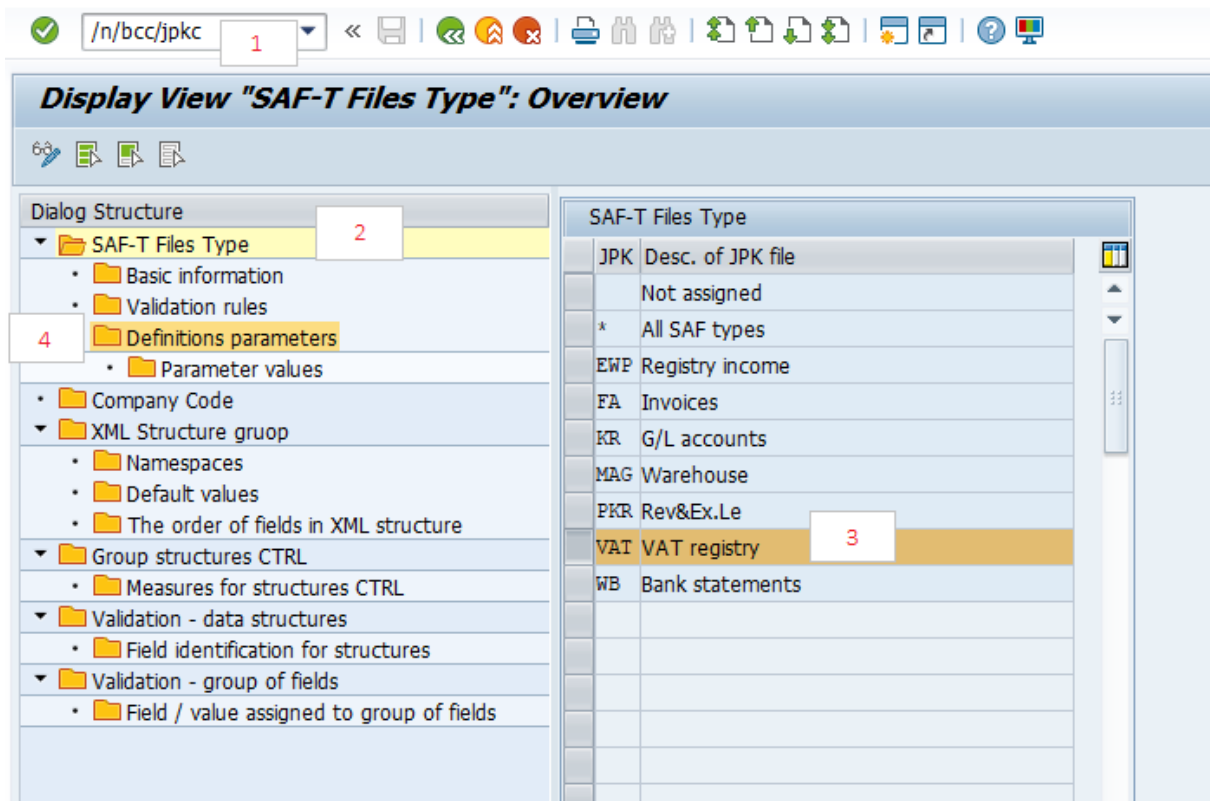
		Base	VAT
Deliv.goods across the count		<input type="text"/>	<input type="text"/>
Deliv.goods outside the countr		<input type="text"/>	<input type="text"/>
art.100 par.1 point 4 act.		<input type="text"/>	<input type="text"/>
Deliv.goods 0%		<input type="text"/>	<input type="text"/>
Deliv.goods art.129		<input type="text"/>	<input type="text"/>
Deliv.goods 5%		<input type="text"/>	<input type="text"/>
Deliv.goods 7% or 8%		<input type="text"/>	<input type="text"/>
Deliv.goods 22% or 23%		<input type="text"/>	<input type="text"/>
ISG-Intra-commu.deliv.of goods		<input type="text"/>	<input type="text"/>
Goods export		<input type="text"/>	<input type="text"/>
ISG-Intra-commu.deliv.of goo		<input type="text"/>	<input type="text"/>

No 'X' value assignment for JPK005 parameter will cause no change in functioning of JPKZ transaction.

In addition, it is possible to use new transactions:

- /n/BCC/JPKZ\_FA
- /n/BCC/JPKZ\_KR
- /n/BCC/JPKZ\_MAG
- /n/BCC/JPKZ\_VAT
- /n/BCC/JPKZ\_WB

## 8.2 JPK VAT parameters



### 8.2.1 Change of sign for the tax code

Name:

Note no. 6 for SAF version 2.8 – change of sign for the tax code

Description:

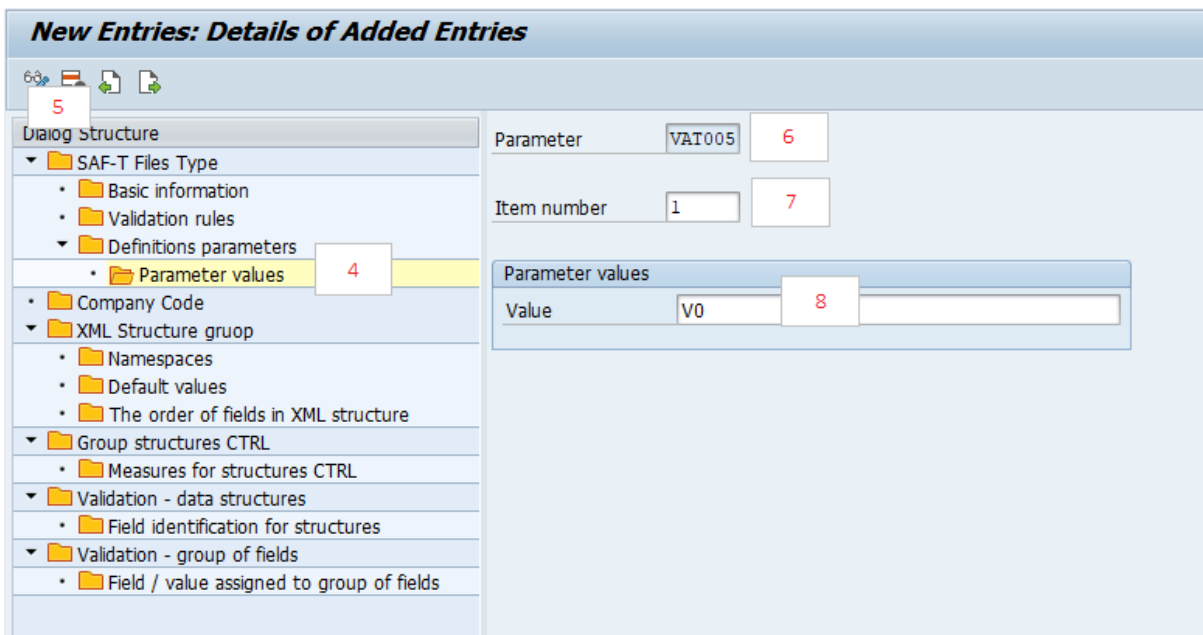
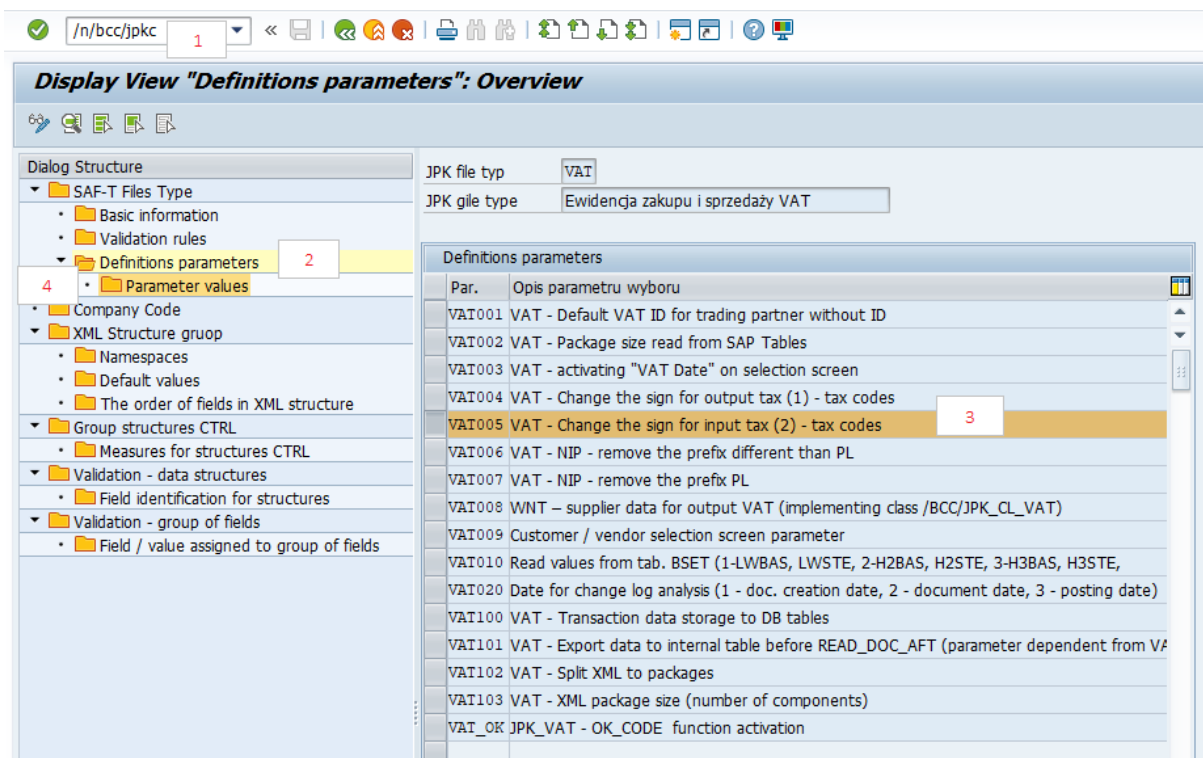
New parameters will be created:

VAT004 – Change of sign for the tax due – tax codes

VAT005 – Change of sign for the tax

Details:

Change activation based on VAT005 example:



In case of more tax codes change, there has to be another position number assigned.

Before the input tax activation – V0:

JG	Rok	Nr dokum.	Poz	RdzPod	Pd	Kont.KG	W/M	Podst. WKr	Kw.pod.WKr	V.pods.	V.pod.	Numer faktury	Rodzaj	Data księgow.
0001	2006	100000001	1	1	A1	175000	H	18,02-	2,88-	10	11		AB	08.11.2006
0001	2006	100000002	1	1	A1	175000	H	149,97-	24,00-	10	11		AB	08.11.2006
0001	2006	100000002	2	1	A0	175000	H	9.998,00	0,00	10	11		AB	08.11.2006
0001	2006	100000003	1	1	A1	175000	H	208,41-	33,34-	10	11		AB	08.11.2006
0001	2006	100000004	1	1	A1	175000	H	18,02-	2,88-	10	11		AB	08.11.2006
0001	2006	100000005	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2006	100000006	1	1	A1	175000	S	129,28	20,68	10	11		AB	08.11.2006
0001	2006	100000007	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2006	100000008	1	1	A1	175000	S	129,28	20,68	10	11		AB	08.11.2006
0001	2006	100000009	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2006	100000010	1	1	A1	175000	S	129,28	20,68	10	11		AB	08.11.2006
0001	2006	100000011	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2006	100000012	1	1	A1	175000	S	129,28	20,68	10	11		AB	08.11.2006
0001	2006	100000013	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2017	9999999991	1	1				0,30-	0,22-	10	11	Kor. zaokrągleni-deklaracja 01/2017		31.01.2017
0001	2006	100000000	1	2	V0	154000	S	9.998,00	0,00	43	44		AB	08.11.2006
0001	2006	100000000	2	2	V1	154000	S	2.090,00	0,00	43	44		AB	08.11.2006
0001	2006	100000003	2	2	V1	154000	S	12.088,00	0,00	43	44		AB	08.11.2006

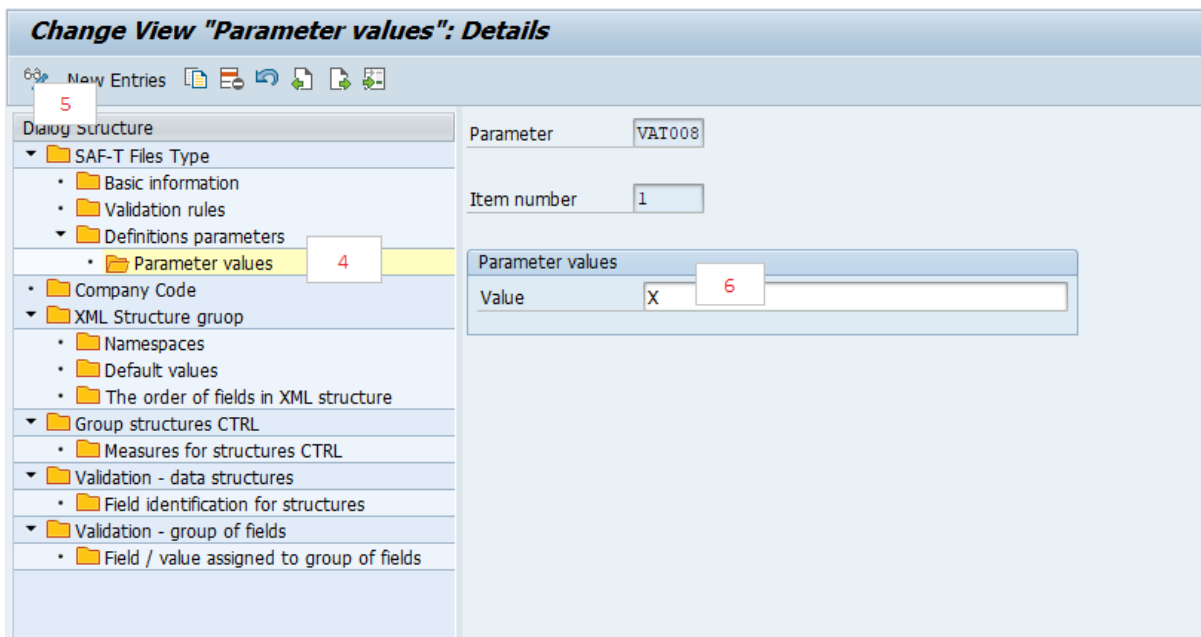
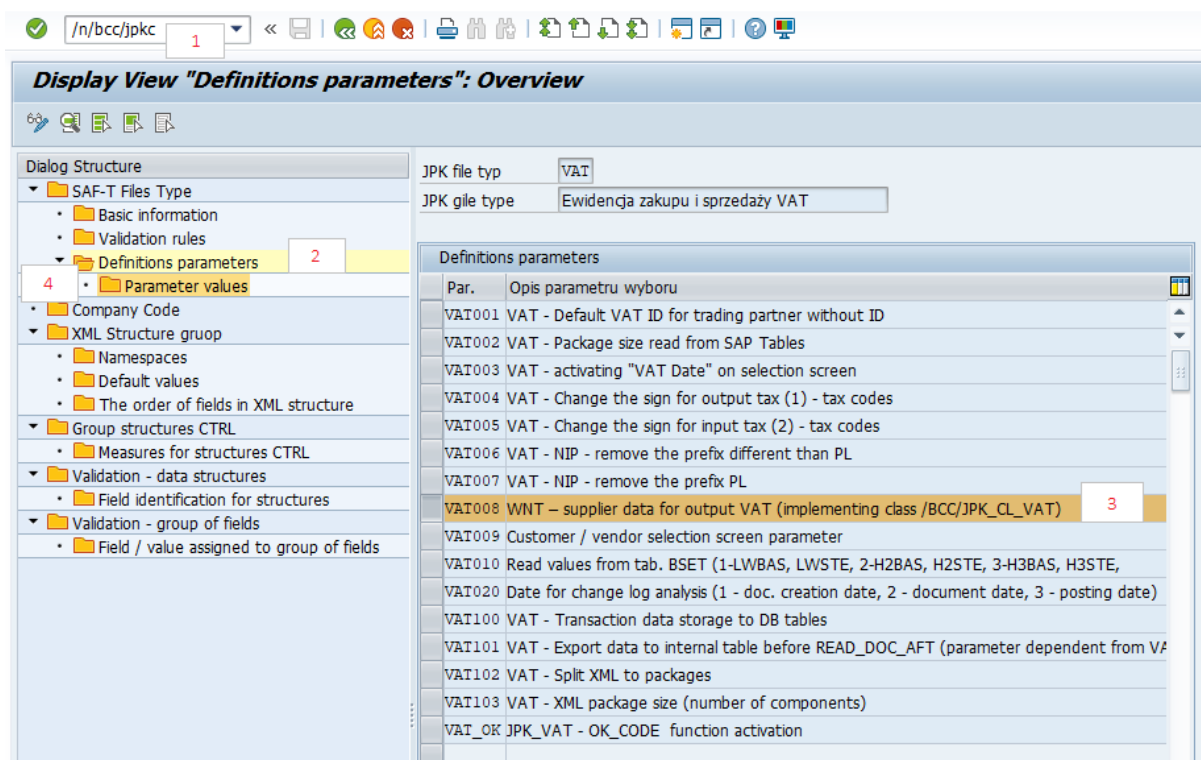
After the input tax activation – V0:

JG	Rok	Nr dokum.	Poz	RdzPod	Pd	Kont.KG	W/M	Podst. WKr	Kw.pod.WKr	V.pods.	V.pod.	Numer faktury	Rodzaj	Data księgow.
0001	2006	100000001	1	1	A1	175000	H	18,02-	2,88-	10	11		AB	08.11.2006
0001	2006	100000002	1	1	A1	175000	H	149,97-	24,00-	10	11		AB	08.11.2006
0001	2006	100000002	2	1	A0	175000	H	9.998,00	0,00	10	11		AB	08.11.2006
0001	2006	100000003	1	1	A1	175000	H	208,41-	33,34-	10	11		AB	08.11.2006
0001	2006	100000004	1	1	A1	175000	H	18,02-	2,88-	10	11		AB	08.11.2006
0001	2006	100000005	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2006	100000006	1	1	A1	175000	S	129,28	20,68	10	11		AB	08.11.2006
0001	2006	100000007	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2006	100000008	1	1	A1	175000	S	129,28	20,68	10	11		AB	08.11.2006
0001	2006	100000009	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2006	100000010	1	1	A1	175000	S	129,28	20,68	10	11		AB	08.11.2006
0001	2006	100000011	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2006	100000012	1	1	A1	175000	S	129,28	20,68	10	11		AB	08.11.2006
0001	2006	100000013	1	1	A1	175000	H	129,28-	20,68-	10	11		AB	08.11.2006
0001	2017	9999999991	1	1				0,30-	0,22-	10	11	Kor. zaokrągleni-deklaracja 01/2017		31.01.2017
0001	2006	100000000	1	2	V0	154000	S	9.998,00-	0,00	43	44		AB	08.11.2006
0001	2006	100000000	2	2	V1	154000	S	2.090,00	0,00	43	44		AB	08.11.2006
0001	2006	100000003	2	2	V1	154000	S	12.088,00	0,00	43	44		AB	08.11.2006

## 8.2.2 Change of counterparty name for tax due in case of tax codes which create two entries of an input tax and tax due

VAT008 – WNT – counterparty name for tax due (implementing class /BCC/JPK\_CL\_VAT)

Activation steps for VAT008 parameter:



Program behavior changes – example:

For VAT008 parameter an 'X' value should be assigned – leaving an empty parameter value will not cause any of changes described below and the program will not change too.

Current state (with a disabled parameter):

**SAF Files - VAT registry**

Ex. SAF File Archiving Unlock Positions Logs actions Valid. XML Download SAF Assign JPK Downl. file

Start date: 31.01.2017 Company Code: Y001  
 End date: 31.12.2017 CC ID: Y001  
 JPK file creation date: 06.02.2016 Name: WĄGILIK I SPÓŁKA SP. K.  
 Currency code: PLN VAT Reg.No: 9721091865 Industry ID No.:  
 Tax office: 1223 Country ID: PL Street: KLONOWA  
 State: WIELKIE House number: 12 Flat No: 12  
 District: ZALESIONY City: POZ  
 Community: UTUCZONA Postal code: 61-000

Inf.text: The data processed by the user CHMIELEWSKIS on 18.05.2017 at 14:19:05 (description possible to change by user)

Co.	Year	DocumentNo	VATy	No inv.	Type	Posting Date	Doc. Date	Date of sale	D.purch.	Insertion date	Date recei	Customer	Vendor	
Y001	2015	4700000136	ZK	TEST	KR	07.07.2015	23.06.2015	08.07.2015	23.06.2015	07.07.2015			200009	Dostawca krajowy Kuchenna 199 00-600 Warszawa PL23

**SAF Files - VAT registry**

Ex. SAF File Archiving Unlock Logs actions Valid. XML Download SAF Assign JPK Downl. file

Start date: 31.01.2017 Company Code: Y001  
 End date: 31.12.2017 CC ID: Y001  
 JPK file creation date: 06.02.2016 Name: WĄGILIK I SPÓŁKA SP. K.  
 Currency code: PLN VAT Reg.No: 9721091865 Industry ID No.:  
 Tax office: 1223 Country ID: PL Street: KLONOWA  
 State: WIELKIE House number: 12 Flat No: 12  
 District: ZALESIONY City: POZ  
 Community: UTUCZONA Postal code: 61-000

Inf.text: The data processed by the user CHMIELEWSKIS on 18.05.2017 at 14:19:05 (description possible to change by user)

Co.	Year	DocumentNo	Itm	Tx	GL	Acc	D/C	LC bas.amt	LC tax	VATbasl	VATtax	TaxTyp
Y001	2015	4700000136	1	I3	221300	H		84.24	0.00	21		1
Y001	2015	4700000136	2	I3	221400	S		19.38	19.38	44	45	2

With a disabled parameter, the sales fields are filled with Company Code data:

```

31 <ns:SprzedazWiersz typ="G">
32   <ns:LpSprzedazy>1 </ns:LpSprzedazy>
33   <ns:NrKontrahenta>PL9721091865</ns:NrKontrahenta>
34   <ns:NazwaKontrahenta>7milowy Sp. z o.o.</ns:NazwaKontrahenta>
35   <ns:AdresKontrahenta>Miejscość</ns:AdresKontrahenta>
36   <ns:DowodSprzedazy>TEST</ns:DowodSprzedazy>
37   <ns>DataWystawienia>2015-07-07</ns>DataWystawienia>
38   <ns>DataSprzedazy>2015-07-08</ns>DataSprzedazy>
39   <ns:K_21>84.24</ns:K_21>
40 </ns:SprzedazWiersz>
41 <ns:SprzedazCtrl>
42   <ns:LiczbaWierszySprzedazy>1 </ns:LiczbaWierszySprzedazy>
43   <ns:PodatekNalezny>0.00</ns:PodatekNalezny>
44 </ns:SprzedazCtrl>
45 <ns:ZakupWiersz typ="G">
46   <ns:LpZakupu>1 </ns:LpZakupu>
47   <ns:NrDostawcy>PL23344444</ns:NrDostawcy>
48   <ns:NazwaDostawcy>Dostawca krajowy</ns:NazwaDostawcy>
49   <ns:AdresDostawcy>Kuchenna 199 00-600 Warszawa</ns:AdresDostawcy>
50   <ns:DowodZakupu>TEST</ns:DowodZakupu>
51   <ns>DataZakupu>2015-06-23</ns>DataZakupu>
52   <ns:K_43>0.00</ns:K_43>
53   <ns:K_44>19.38</ns:K_44>
54   <ns:K_45>19.38</ns:K_45>
55   <ns:K_46>0.00</ns:K_46>
56 </ns:ZakupWiersz>
57 <ns:ZakupCtrl>
58   <ns:LiczbaWierszyZakupow>1 </ns:LiczbaWierszyZakupow>
59   <ns:PodatekNaliczony>19.38</ns:PodatekNaliczony>

```

The result of a given solution with VAT 008 parameter activated:



**SAF Files - VAT registry**

Ex. SAF File Archiving Unlock Positions Logs actions Valid. XML Download SAF Assign JPK Downl. file

Start date: 31.01.2017 End date: 31.12.2017 JPK file creation date: 06.02.2016 Currency code: PLN JPK cor.: ☐ Tax office: 1223

Company Code: CC ID: Y001 Name: WĄGILIK I SPÓŁKA SP. K. VAT Reg.No: 9721091865 Industry ID No.: Country ID: PL Street: KLONOWA House number: 12 Flat No: 12 District: ZALESIONY City: POZ Postal code: 61-000 Community: UTUCZONA

Inf.text: The data processed by the user CHMIELEWSKIS on 18.05.2017 at 14:19:05 (description possible to change by user)

Co.	Year	DocumentNo	VATy	No inv.	Type	Posting Date	Doc. Date	Date of sale	D.purch.	Insertion date	Date recei	Customer	Vendor	
Y001	2015	4700000136	ZK		TEST	07.07.2015	23.06.2015	08.07.2015	23.06.2015	07.07.2015		200009	Dostawca krajowy	Kuchenna 199 00-600 Warszawa PL23

**SAF Files - VAT registry**

Ex. SAF File Archiving Unlock Logs actions Valid. XML Download SAF Assign JPK Downl. file

Start date: 31.01.2017 End date: 31.12.2017 JPK file creation date: 06.02.2016 Currency code: PLN JPK cor.: ☐ Tax office: 1223

Company Code: CC ID: Y001 Name: WĄGILIK I SPÓŁKA SP. K. VAT Reg.No: 9721091865 Industry ID No.: Country ID: PL Street: KLONOWA House number: 12 Flat No: 12 District: ZALESIONY City: POZ Postal code: 61-000 Community: UTUCZONA

Inf.text: The data processed by the user CHMIELEWSKIS on 18.05.2017 at 14:19:05 (description possible to change by user)

Co.	Year	DocumentNo	Itm	Tx	GL	Acc	D/C	LC bas.amt	LC tax	VATbasi	VATtax	TaxTyp
Y001	2015	4700000136	1	I3	221300	H		84.24	0.00	21		1
Y001	2015	4700000136	2	I3	221400	S		19.38	19.38	44	45	2

With an activated parameter, the sales fields in the XML file are filled with the counterparty data:

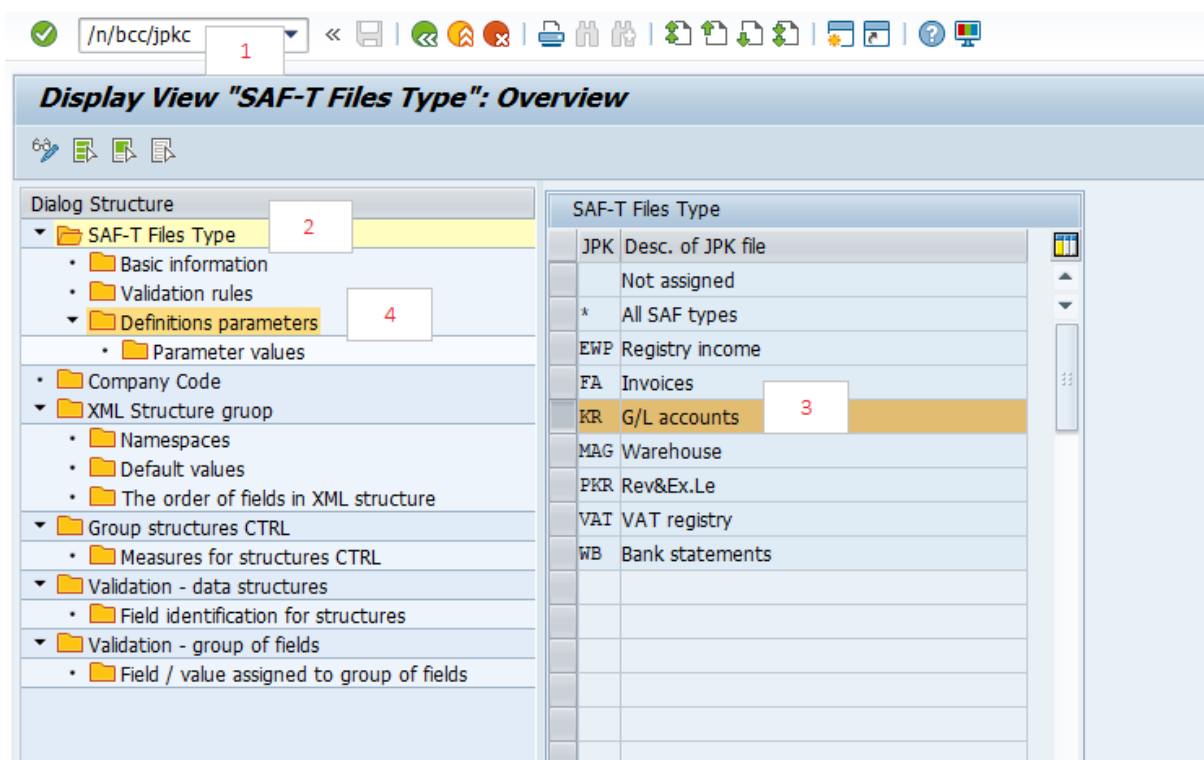
```

31 <ns:SprzedazWiersz typ="G">
32   <ns:LpSprzedazy>1 </ns:LpSprzedazy>
33   <ns:NrKontrahenta>PL23344444</ns:NrKontrahenta>
34   <ns:NazwaKontrahenta>Dostawca krajowy</ns:NazwaKontrahenta>
35   <ns:AdresKontrahenta>Kuchenna 199 00-600 Warszawa</ns:AdresKontrahenta>
36   <ns:DowodSprzedazy>TEST</ns:DowodSprzedazy>
37   <ns:DataWystawienia>2015-07-07</ns:DataWystawienia>
38   <ns:DataSprzedazy>2015-07-08</ns:DataSprzedazy>
39   <ns:K_21>84.24</ns:K_21>
40 </ns:SprzedazWiersz>
41 <ns:SprzedazCtrl>
42   <ns:LiczbaWierszySprzedazy>1 </ns:LiczbaWierszySprzedazy>
43   <ns:PodatekNalezny>0.00</ns:PodatekNalezny>
44 </ns:SprzedazCtrl>
45 <ns:ZakupWiersz typ="G">
46   <ns:LpZakupu>1 </ns:LpZakupu>
47   <ns:NrDostawcy>PL23344444</ns:NrDostawcy>
48   <ns:NazwaDostawcy>Dostawca krajowy</ns:NazwaDostawcy>
49   <ns:AdresDostawcy>Kuchenna 199 00-600 Warszawa</ns:AdresDostawcy>
50   <ns:DowodZakupu>TEST</ns:DowodZakupu>
51   <ns:DataZakupu>2015-06-23</ns:DataZakupu>
52   <ns:K_43>0.00</ns:K_43>
53   <ns:K_44>19.38</ns:K_44>
54   <ns:K_45>19.38</ns:K_45>
55   <ns:K_46>0.00</ns:K_46>
56 </ns:ZakupWiersz>
57 <ns:ZakupCtrl>
58   <ns:LiczbaWierszyZakupow>1 </ns:LiczbaWierszyZakupow>
59   <ns:PodatekNaliczony>19.38</ns:PodatekNaliczony>
60 </ns:ZakupCtrl>

```



## 8.3 SAF KR parameters



### 8.3.1 Accounts descriptions

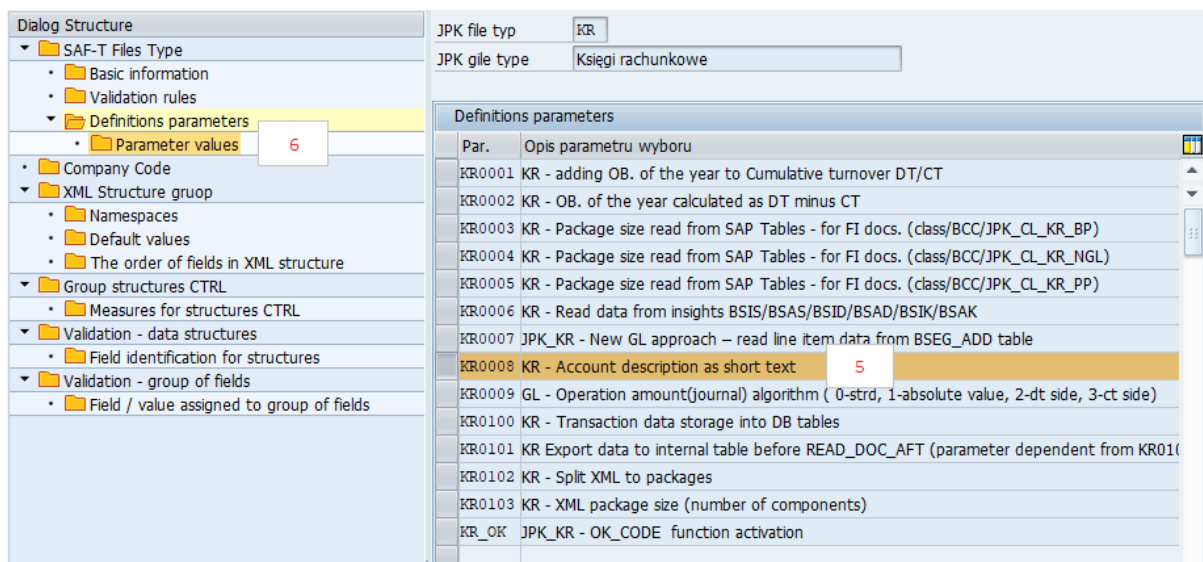
The error with an account description on ALV not matching the account description in XML has been fixed. ALV always had a short description by default meanwhile a long description of the account was always overwritten into XML. It was problematic especially with a lack of polish version of the system and text were added in a dedicated extension. Because of that, the texts on ALV were displayed correctly, however in the XML, description was always loaded from the configuration.

In addition, a KR0008 parameter has been introduced to indicate whether a short or long account description should be downloaded by default.

Values:

X – download a short text from configuration

Empty – download a long text from configuration



Parameter

Item number

Parameter values

Value
<input type="text" value="X"/>

### 8.3.2 Data read from BSIS/BSAS/BSID/... insights

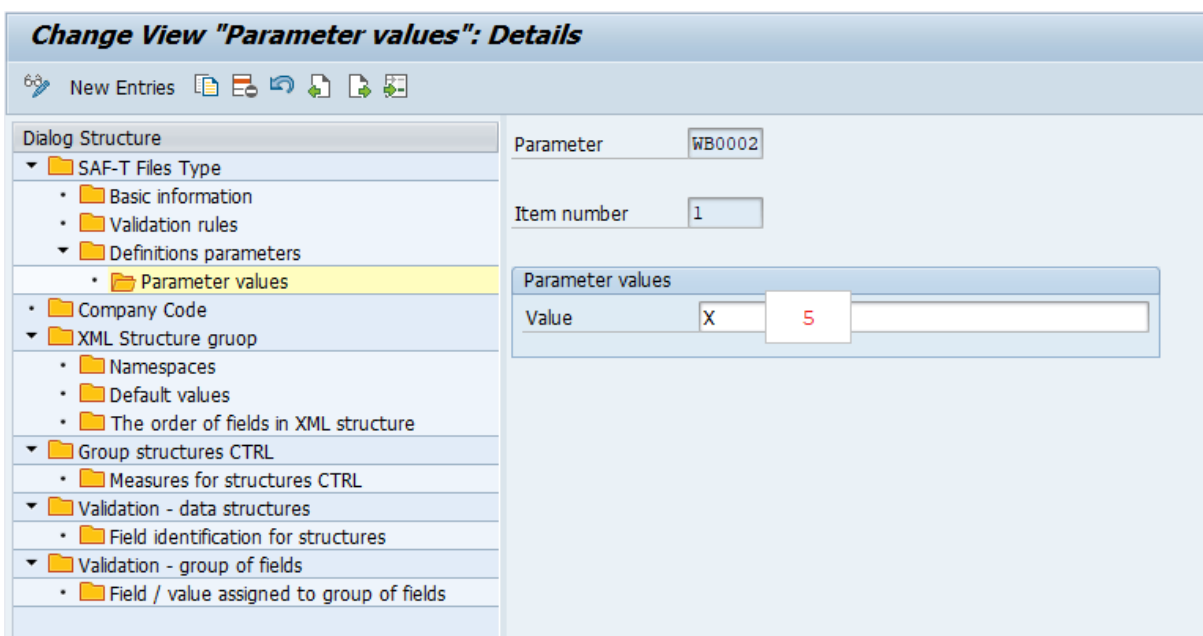
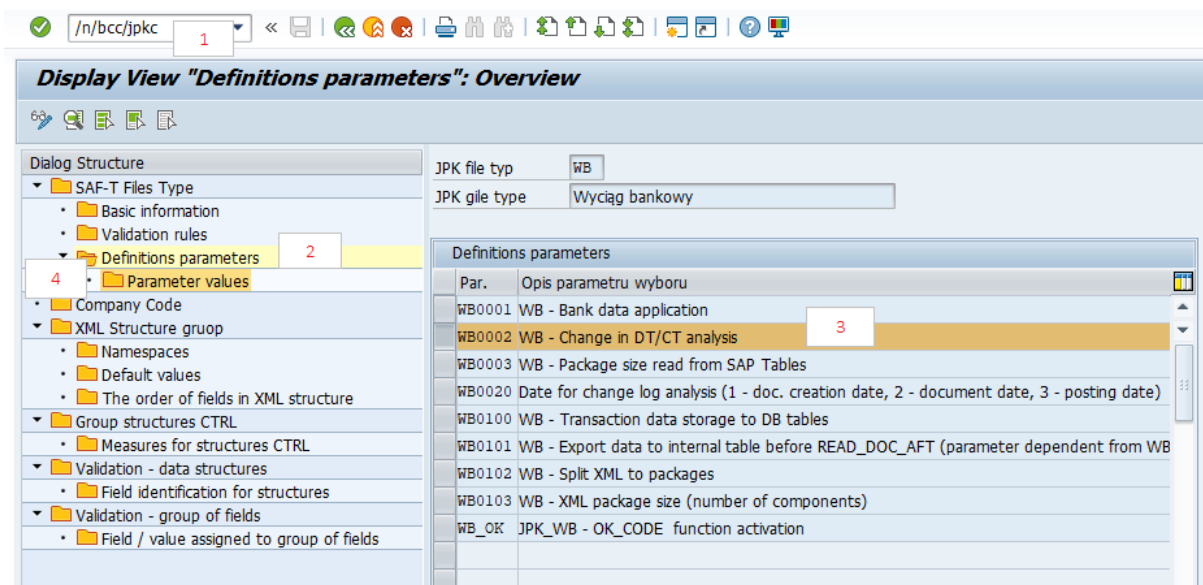
Tables BSIS/BSAS/BSID/BSAD/BSIK/BSAK and documents table BKPF have now the insights introduced. The read change (tables <-> insights) is possible by changing parameter: 'KR0006' – KR/PP – Data read from insights BSIS/BSAS/BSID/BSAD/BSIK/BSAK.

## 8.4 SAF WB parameters

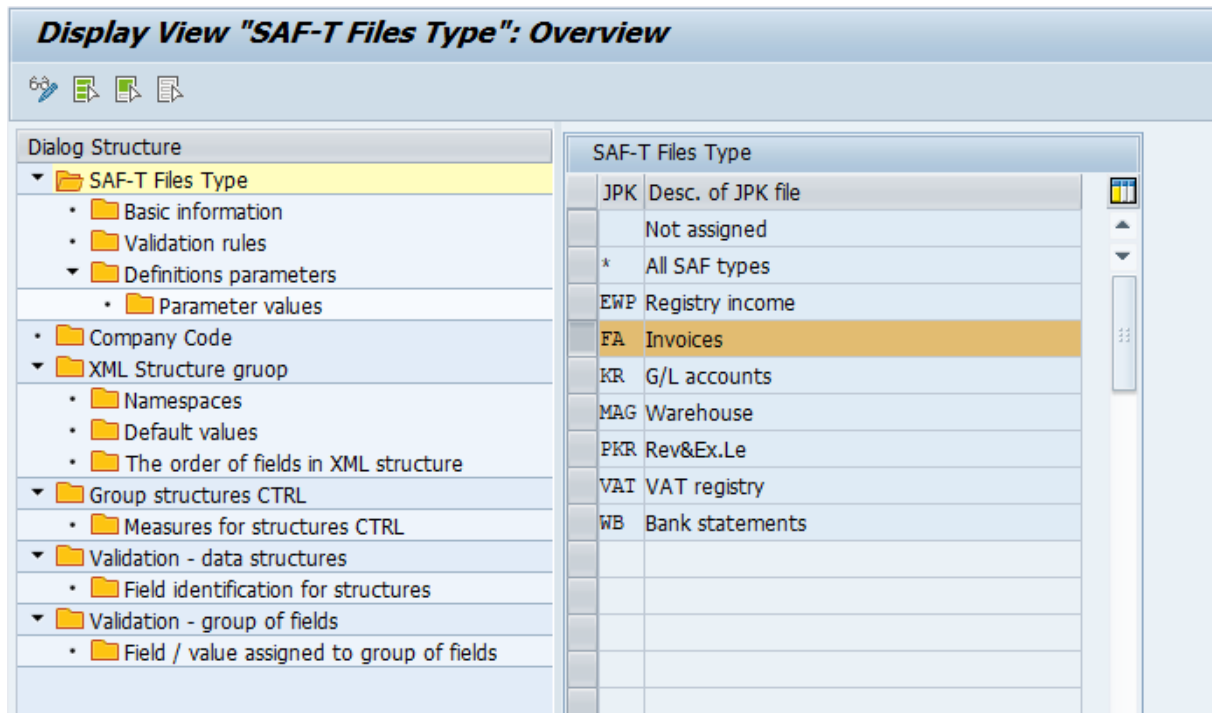
### 8.4.1 Change of accounting pages for bank statements

A new functionality has been introduced to improve the bank statements presentation according to the transaction specifics. Answering the second part of question – according to the Ministry of Finance recommendations – negative operations and balances in SAF output files (XML) contain the '-' sign.

Activation of previously mentioned functionalities:



## 8.5 SAF FA parameters




### 8.5.1 Hide the Purchase section in SAF FA

According to the current requirements of the Ministry, the SAF FA structure should contain only purchase invoice data. Purchase section is sometimes misleading so it can be hidden by setting up the FA0011 parameter.

The parameter is not set up:






G/L Accounts Bank statements Warehouse VAT registry Invoices



☒ Posting Date  to   
☐ VAT date  
☐ Document Date







Currency  



Sale


☒ Sales invoices  
☐ Changing sign for sales invoice

Document type (FI)    
Document type (FI) -correcti    
Invoice type (SD)    
Invoice type (SD) - correcti    
Customer  

Base price (price condition)    
Tax (price condition)  

Tax rate 22% or 23%    
Tax rate 7% or 8%    
Tax rate 5%    
Tax rate 0%    
VAT - tax exempt    
Not taxable  


Reserve 1   ☐ Reverse Charge  
Reserve 2   ☐ Reverse Charge  
☐ NIP - omission <> PL

Document Number  to  

Parameter with 'X' value:






G/L Accounts Bank statements Warehouse VAT registry Invoices



☒ Posting Date  to   
☐ VAT date  
☐ Document Date


Currency  


Sale

☒ Sales invoices  
☐ Changing sign for sales invoice

Document type (FI)    
Document type (FI) -correcti    
Invoice type (SD)    
Invoice type (SD) - correcti    
Customer  

Base price (price condition)    
Tax (price condition)  



Tax rate 22% or 23%  

If there are new fields as the customer's extension added to the Purchase bookmark, it can be done by adding an extension or setting up MODIF ID parameters in range from 520 to 524.

Activation steps:

**Display View "Definitions parameters": Overview**

Dialog Structure

- SAF-T Files Type
  - Basic information
  - Validation rules
  - Definitions parameters
    - Parameter values **6**
  - Company Code
  - XML Structure group
    - Namespaces
    - Default values
    - The order of fields in XML structure
  - Group structures CTRL
    - Measures for structures CTRL
  - Validation - data structures
    - Field identification for structures
  - Validation - group of fields
    - Field / value assigned to group of fields

JPK file type: FA  
JPK gile type: Faktury VAT

Definitions parameters

Par.	Opis parametru wyboru
FA0001	Invoice Items rounding consistent with total value of invoice (amounts)
FA0002	Invoice Items rounding (percentage that is allowed in rounding FA0001)
FA0003	FA - Fix values SD positions. Parameter depending on FA0001.
FA0004	Invoice - Package size read from SAP tables
FA0005	Invoice - activates VAT accounts from FK0003
FA0006	Invoice - activating "Posting Date" on selection screen
FA0007	FA - SD - Gross positions
FA0008	FA - NIP - remove a prefix other than PL
FA0009	FA - NIP - remove the prefix PL
FA0010	Invoice - Change in extraction data algorithm
FA0011	FA - Hide purchase block on selection screen <b>5</b>
FA0012	Company data in XML positions from ALV header
FA0013	Invoices - use local currency in Header (<FAKTURA>)
FA0020	Date for change log analysis (1 - doc. creation date, 2 - document date, 3 - posting date)
FA0100	FA - Transaction data storage into DB tables
FA0101	Data export to internal tables before extension READ_DOC_AFT (param dependent on FA0
FA0102	FA - Split XML to packages
FA0103	FA - XML Package size (number of components)
FA_OK	JPK_FA - OK_CODE function activation
FK0003	Invoice - define VAT Accounts

Parameter: FA0011

Item number: 0

Parameter values

Value
X

### 8.5.2 Company Code data on XML items from ALV header

To complement Company Code data in P\_3C and P\_3D fields and TIN data in P\_4A and P\_4B from SAF header data (not from Company Code master data), a new functionality has been added. It allows to edit fields on ALV and in Company Code configuration in /BCC/JPKC.

## Company Code data on ALV:

**SAF Files - Invoices ( version 34 )**

Start date: 01.01.2000    End date: 31.12.2018    JPK file creation date: 10.12.2018

Currency code: PLN    JPK cor.: ☐

Tax office: 123456789

**Company Code**

CC ID: Y001

Name: SPOLKA TESTOWA

VAT Reg.No: 9721091865    Industry ID No.:

Country ID: PL    Street: KLONOWA

State: WIELKIE    House number: 12    Flat No: 12

District: ZALESIONY 23    City: POZ

Community: TESTOWA    Postal code: 61-000

## Without parameter activation:

```

▼<ns:Faktura typ="G">
  <ns:P_1>2009-07-01</ns:P_1>
  <ns:P_2A>222.0</ns:P_2A>
  <ns:P_3A>Odbiorca testowo-wzorcowy z Unii</ns:P_3A>
  <ns:P_3B>Jaegermeisterstrasse 12/2G 45567 Bamberg</ns:P_3B>
  <ns:P_3C>SNP Sp. z o.o.</ns:P_3C>
  <ns:P_3D>Miejscowość</ns:P_3D>
  <ns:P_4A>PL</ns:P_4A>
  <ns:P_4B>9721091865</ns:P_4B>
  <ns:P_5A>DE</ns:P_5A>
  <ns:P_5B>DE464536645</ns:P_5B>

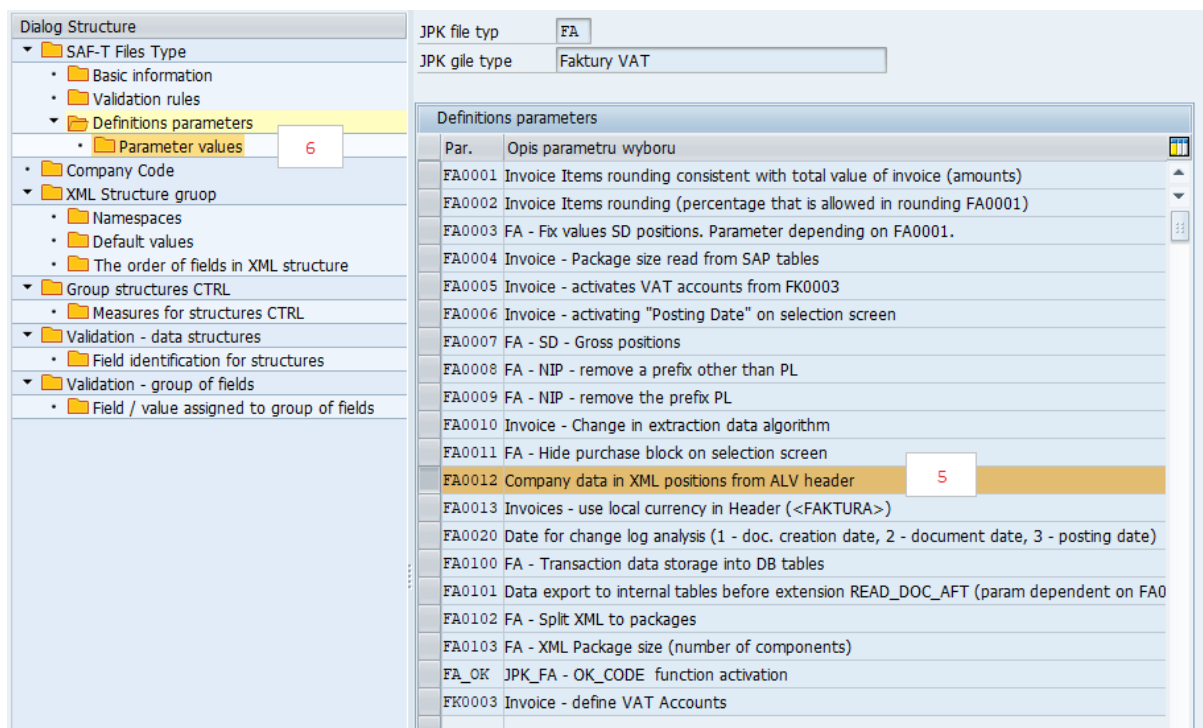
```

## After activation:

```

▼<ns:Faktura typ="G">
  <ns:P_1>2009-07-01</ns:P_1>
  <ns:P_2A>222.0</ns:P_2A>
  <ns:P_3A>Odbiorca testowo-wzorcowy z Unii</ns:P_3A>
  <ns:P_3B>Jaegermeisterstrasse 12/2G 45567 Bamberg</ns:P_3B>
  <ns:P_3C>SPOLKA TESTOWA</ns:P_3C>
  <ns:P_3D>KLONOWA 12/12 61-000 POZ</ns:P_3D>
  <ns:P_4A>PL</ns:P_4A>
  <ns:P_4B>0123456789</ns:P_4B>
  <ns:P_5A>DE</ns:P_5A>
  <ns:P_5B>DE464536645</ns:P_5B>

```



Activation by typing 'X' in FA0012

### 8.5.3 Use of Company Code currency in header data (<INVOICE>)

According to the new interpretation published by the Ministry of Finance for the SAF FA structure from July 2018, all values in <INVOICE> section should be presented in PLN, even for invoices in a foreign currency. In a previous solution without a parameter, the tax was always presented in Company Code currency. The FA0013 parameter activation causes change in all values from header to Company Code currency. In most cases, this solution will meet the Ministry's requirements. However, if the Company Code currency is different than PLN, a special extension should be created which will convert the values.

Values in <InvoiceLane> are given in the document's currency.

With a deactivated functionality:

JG	Rok	Nr dokum.	Faktura	Nr faktury	Fakt. FI	Kw.netto	Pod.VAT	Kw. brutto	Kw.n.23%	Kw.p.23%
Y001	2009	1100000005		222.0	<input checked="" type="checkbox"/>	2.000,00	0,00	2.000,00	0,00	0,00
Y001	2013	1100000005		FSK-9/2013	<input checked="" type="checkbox"/>	20.000,00	4.400,00	24.400,00	40.000,00	17.512,00

Only tax value will be expressed in PLN (in this case 23%)

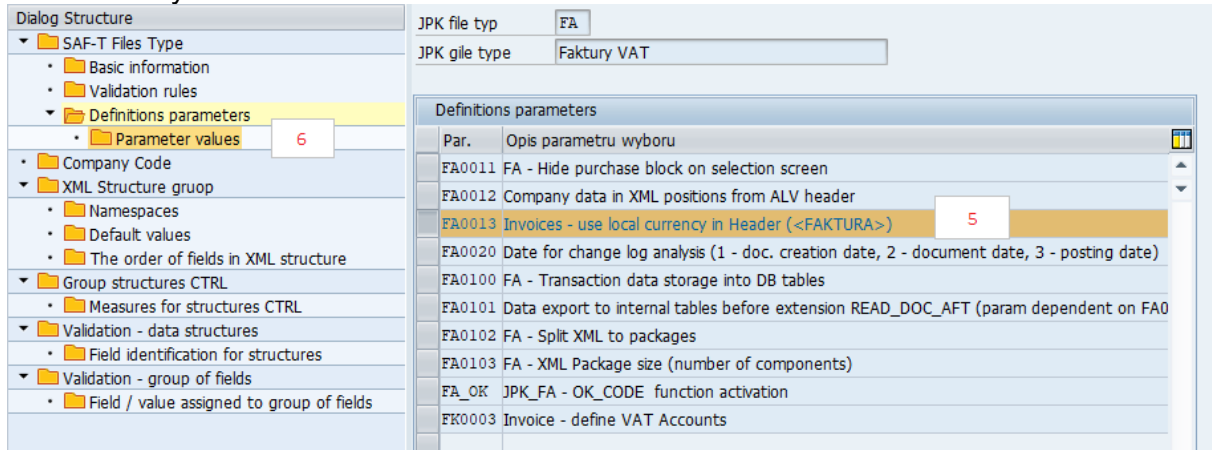
With an activated parameter:

JG	Rok	Nr dokum.	Faktura	Nr faktury	Fakt. FI	Kw.netto	Pod.VAT	Kw. brutto	Kw.n.23%	Kw.p.23%
Y001	2009	1100000005		222.0	<input checked="" type="checkbox"/>	7.863,00	0,00	7.863,00	0,00	0,00
Y001	2013	1100000005		FSK-9/2013	<input checked="" type="checkbox"/>	79.600,00	17.512,00	97.112,00	119.400,00	17.512,00

All the values have been presented in PLN.



## Functionality activation:



Activation by typing 'X' in FA0013 value

### 8.5.4 VAT settlement accounts

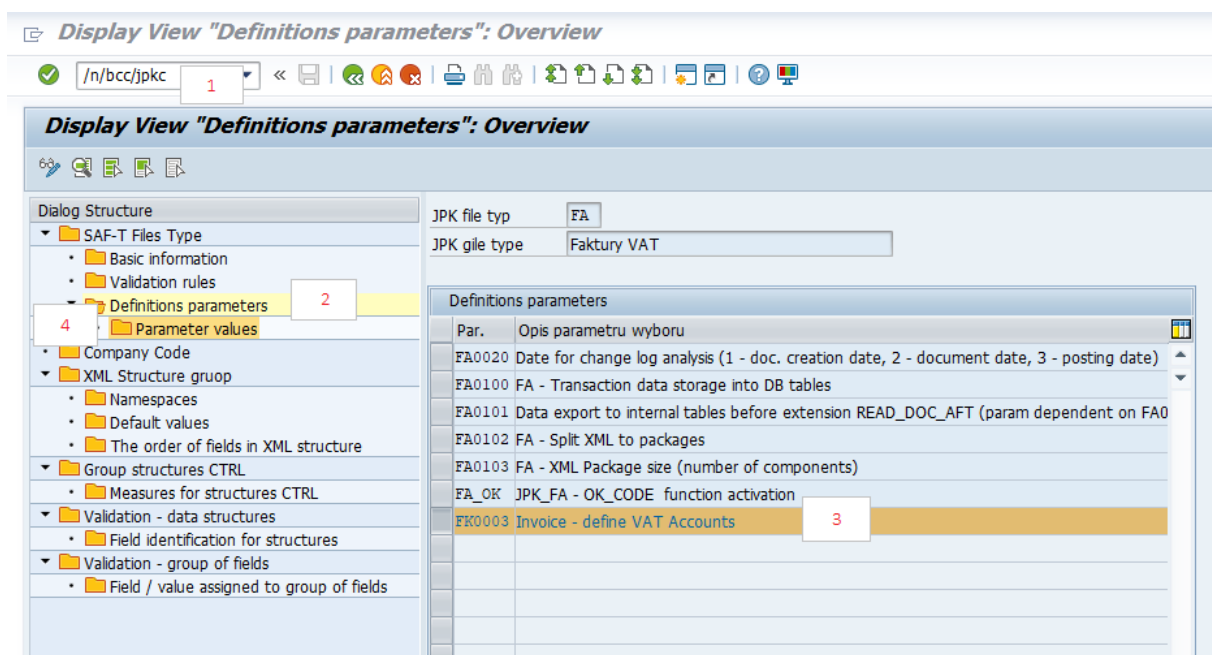
The possibility of adding VAT settlement account (if they are not configured in SAP by default or the incorrect read occur). Activation by introducing accounts in /n/BCC/JPKC transaction.

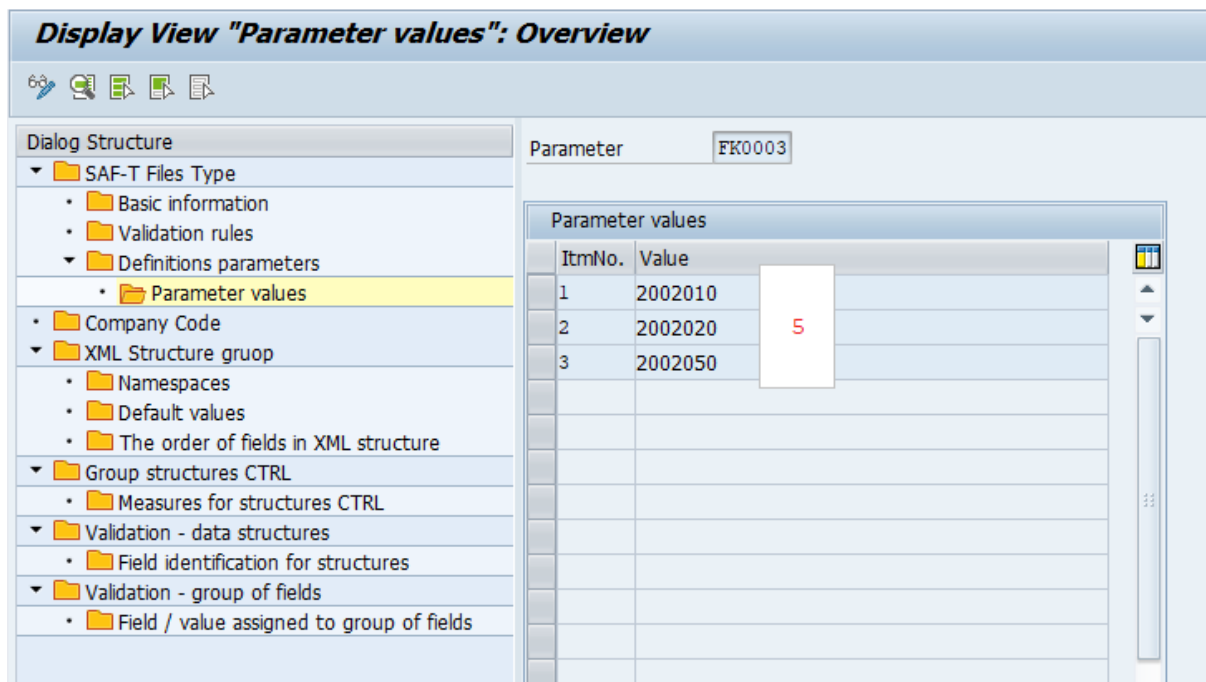
#### Note:

In non-standard cases, the configuration should be supplemented with VAT settlement accounts or at least with accounts which are not automatically achieved during the process of data/invoices accounting.

Activation of previously mention functionality:

In /n/BCC/JPKC transaction [1] (configuration transaction) select 'Parameter definitions' from available structures [2] and then select FA0003 [3] and fill in the parameters values (in this case the parameter value is an account number) [4 and 5].

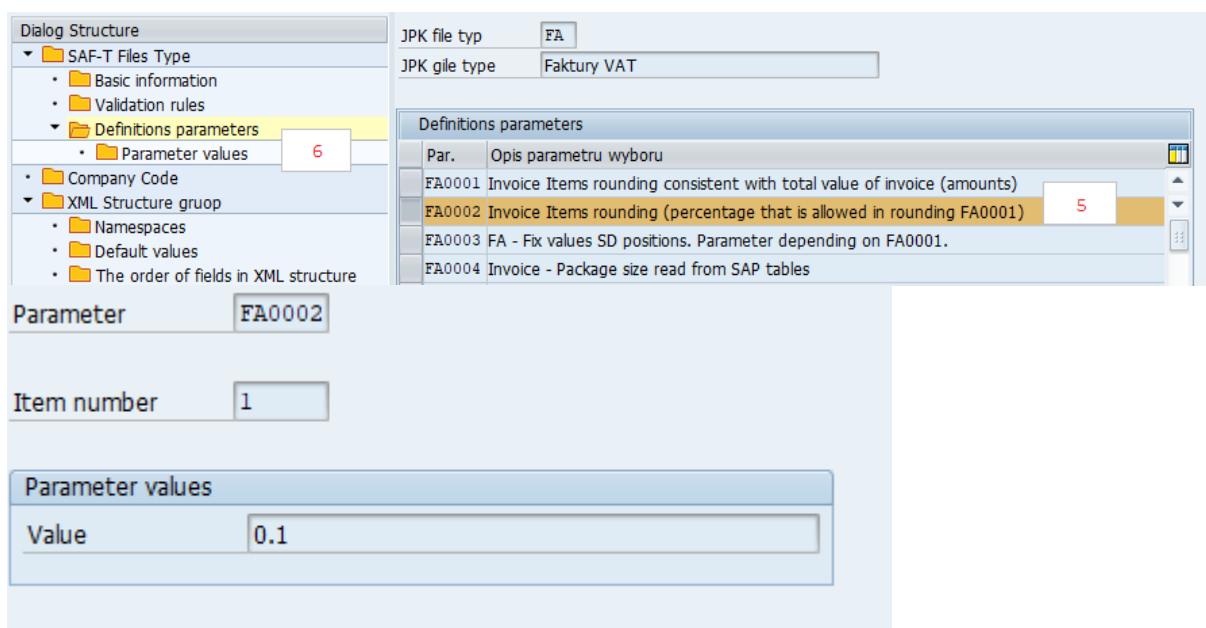




### 8.5.5 Rounding values on invoice positions

Rounding values on invoice positions has been settled in order to ensure that the overall value (total invoice value) is consistent in the header of the document and its particular positions. The '-/+ ' check has been introduced on particular invoice positions too.

Percentage of rounding to settings by FA0002 parameter:



### 8.5.6 Generating SAF\_FA for gross invoice

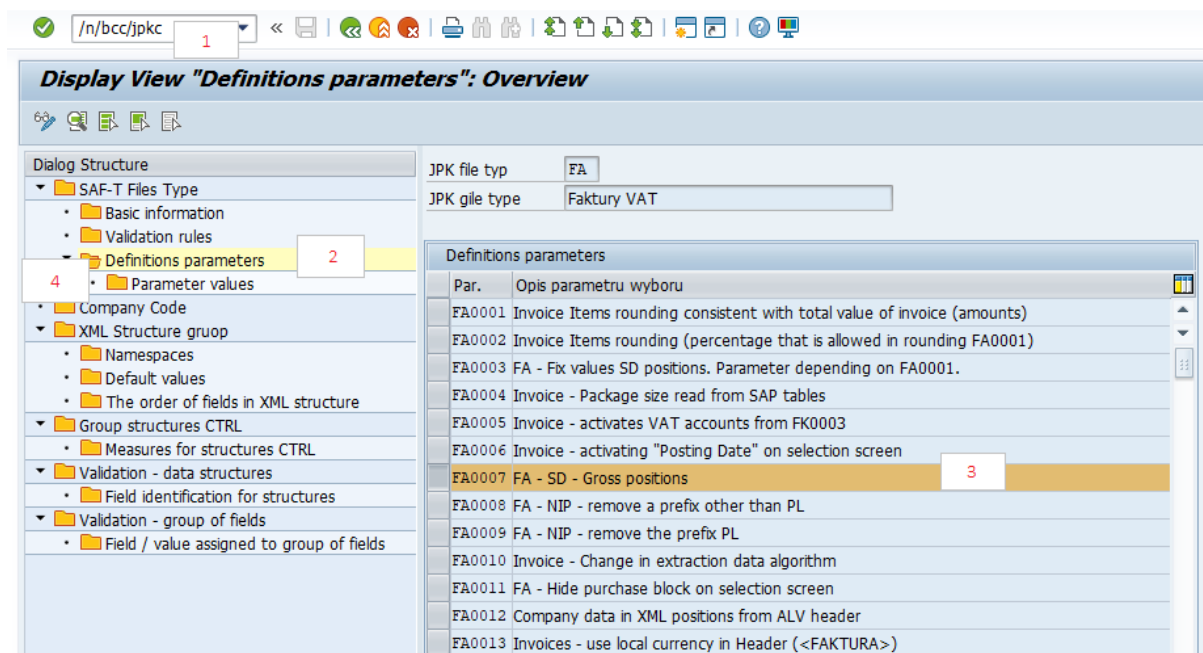
Change in the SAF\_FA generating functionality for invoices calculated on the gross amount.

Description:

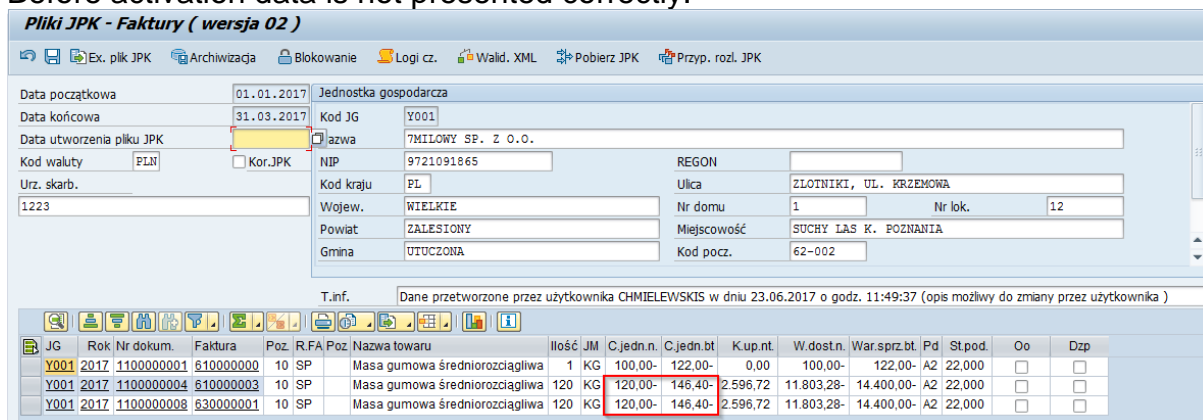
FA0007 FA – SD parameter – gross value positions

Details:

Change activation:



Before activation data is not presented correctly:



After activation the gross value invoices are presented correctly

**Pliki JPK - Faktury (wersja 03)**

Ex. plik JPK   Archiwizacja   Blokowanie   Logi cz.   Walid. XML   Pobierz JPK   Przyp. rozl. JPK

Data początkowa: 01.01.2017   Jednostka gospodarcza: Y001  
 Data końcowa: 31.03.2017   Kod JG: Y001  
 Data utworzenia pliku JPK: 31.03.2017   Nazwa: MIŁOWY SP. Z O.O.  
 Kod waluty: PLN   Kor.JPK: ☐   NIP: 9721091865   REGON:   
 Urz. skarb.: 1223   Kod kraju: PL   Ulica: ZŁOTNIKI, UL. KRZEMOWA  
 Wojew.: WIELKIE   Nr domu: 1   Nr lok.: 12  
 Powiat: ZALESIONY   Miejscowość: SUCHY LAS K. POZNANIA  
 Gmina: UTUCZONA   Kod pocz.: 62-002

T.inf.   Dane przetworzone przez użytkownika CHMIELEWSKIS w dniu 23.06.2017 o godz. 11:51:03 (opis możliwy do zmiany przez użytkownika)

JG	Rok	Nr dokum.	Faktura	Poz.	R.FA	Poz.	Nazwa towaru	Ilość	JM	C.jedn.n.	C.jedn.bt	Kup.nt	W.dostn.	War.sprz.bt	Pd	St.pod.	Oo	Dzp
Y001	2017	1100000001	610000000	10	SP		Masa gumowa średniorozciągliwa	1	KG	100,00-	122,00-	0,00	100,00-	122,00-	A2	22,000	<input type="checkbox"/>	<input type="checkbox"/>
Y001	2017	1100000004	610000003	10	SP		Masa gumowa średniorozciągliwa	120	KG	98,36-	120,00-	0,00	11.803,28-	14.400,00-	A2	22,000	<input type="checkbox"/>	<input type="checkbox"/>
Y001	2017	1100000008	630000001	10	SP		Masa gumowa średniorozciągliwa	120	KG	98,36-	120,00-	0,00	11.803,28-	14.400,00-	A2	22,000	<input type="checkbox"/>	<input type="checkbox"/>

The example of price conditions for a gross value invoice:

**Faktura KRAJ 610000003 (YF2K) Wyświetlanie: Dane pozycji**

Pozycje faktury   Rachunkowość

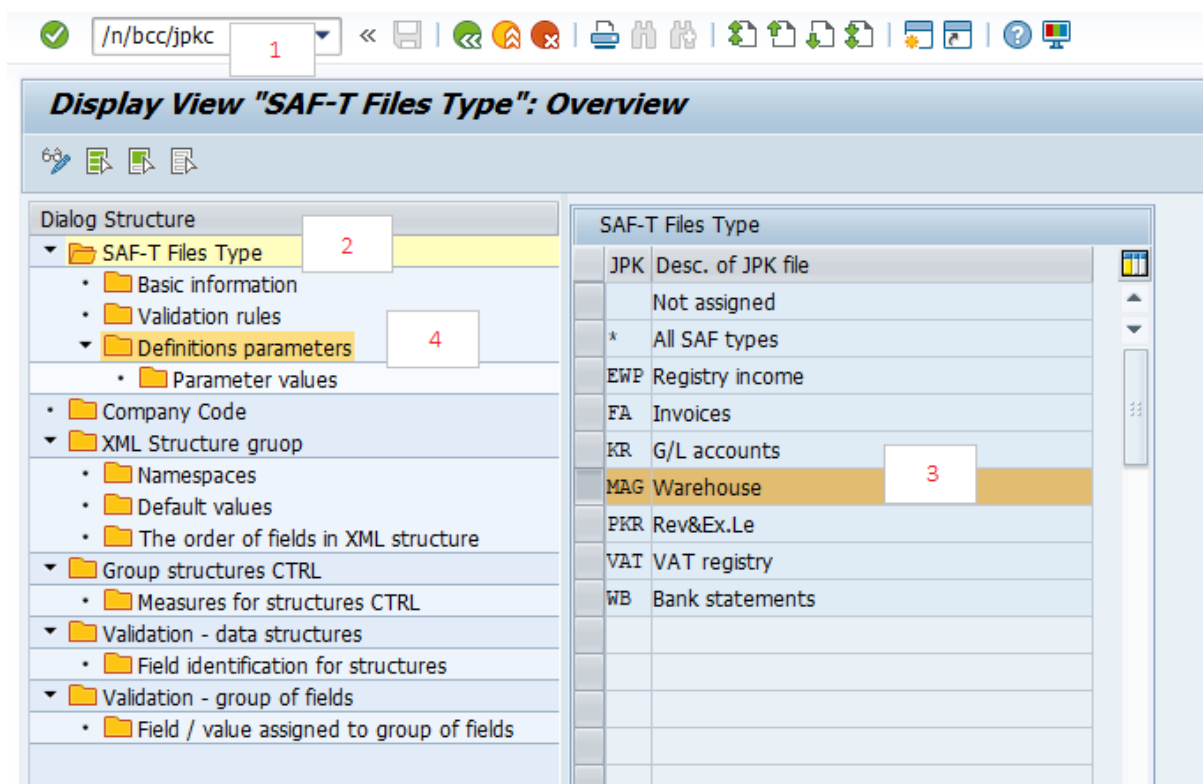
Pozycja: 10   Utworzone przez: GOLONI  
 Typ pozycji: YTA1   Utworzono dn.: 23.01.2017   Godzina: 11:42:30  
 Materiał: 100000030   Masa gumowa średniorozciągliwa  
 Partia: 0000000033

Szczeg. pozycji   Partner pozycji   Warunki   Handel zagr./clo   Teksty pozycji   Global Trade   Dane zamów.

Ilość: 120 KG   Netto: 11.803,28 PLN  
 Podatek: 2.596,72

N...	R...	Oznaczenie	Stawka	Wal.	J.cen	JM	Wartość warunku	Wal.	Status	LiczKW	JZm	Mian...	JM	Wartość warunku	Wal...	St.
PR01		Cena zawierająca VAT	120,00	PLN	1 KG		14.400,00	PLN			1 KG	1 KG		0,00		<input checked="" type="checkbox"/>
		Kwota końcowa cen br	120,00	PLN	1 KG		14.400,00	PLN			1 KG	1 KG		0,00		<input checked="" type="checkbox"/>
		Rabaty brutto	0,00	PLN	1 KG		0,00	PLN			1 KG	1 KG		0,00		<input checked="" type="checkbox"/>
		Suma brutto	120,00	PLN	1 KG		14.400,00	PLN			1 KG	1 KG		0,00		<input checked="" type="checkbox"/>
		MWIG Podatek od 100	22,000	%			2.596,72	PLN			0	0		0,00		<input type="checkbox"/>
		NIPS Cena - udz. netto	120,00	PLN	1 KG		14.400,00	PLN			1 KG	1 KG		0,00		<input type="checkbox"/>
		Cena (brutto)	120,00	PLN	1 KG		14.400,00	PLN			1 KG	1 KG		0,00		<input checked="" type="checkbox"/>
		NIRS Suma rabatów netto	0,00	PLN	1 KG		0,00	PLN			1 KG	1 KG		0,00		<input type="checkbox"/>
		Rabaty brutto	0,00	PLN	1 KG		0,00	PLN			1 KG	1 KG		0,00		<input checked="" type="checkbox"/>
		Wartość materiałów	98,36	PLN	1 KG		11.803,28	PLN			1 KG	1 KG		0,00		<input checked="" type="checkbox"/>
		NEID Wyrównanie różnic	0,00	PLN			2.596,72	PLN			0	0		0,00		<input type="checkbox"/>
		Kwota końcowa	120,00	PLN	1 KG		14.400,00	PLN			1 KG	1 KG		0,00		<input checked="" type="checkbox"/>

## 8.6 SAF MAG parameters

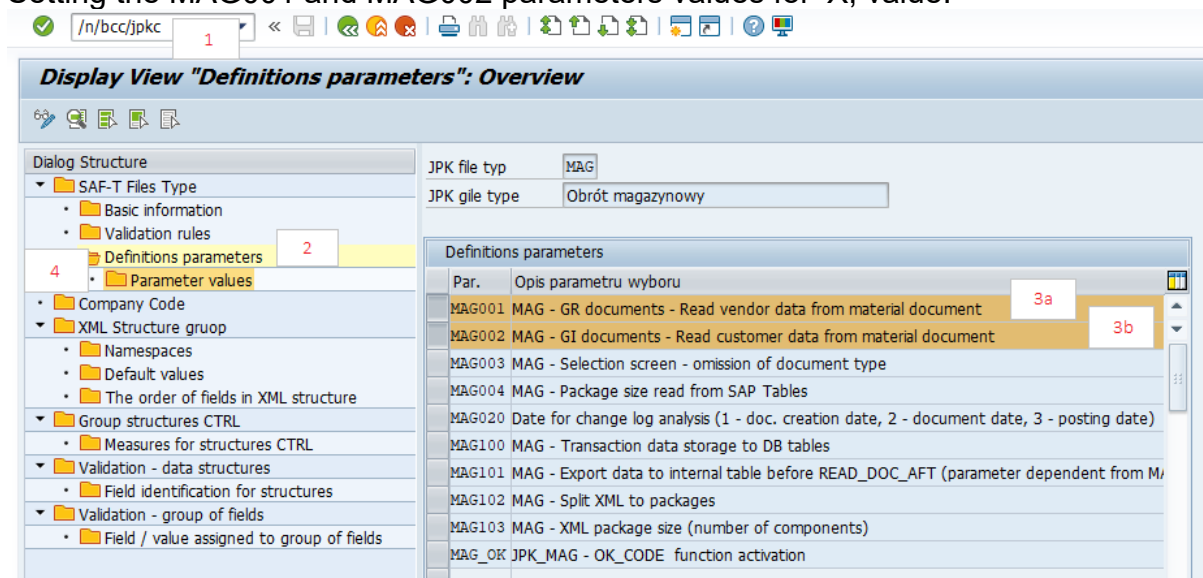


### 8.6.1 Counterparty data read from material document

The possibility of counterparty data read directly from material document (PZ/WZ).

Previously mentioned functionalities activation:

Setting the MAG001 and MAG002 parameters values for 'X; value:



### 8.6.2 Selection screen – omission of document type

There has been introduced a functionality which allows to select the material documents and skip the addition of document type. Complementing a field with document type remains optional, however it improves the adequate documents

selection process. So far, both fields had to be completed in order to make SAF solution work correctly.

Activation of previously mentioned functionalities:

Setting MAG003 parameter value for 'X' value:

