



Electronic VAT invoice functionality for Belarus End-user Guide

Document is relevant to SAP ERP, localization extension 1.0 by EPAM for Republic of Belarus, SAP S/4HANA Finance, localization extension 1.0 for the Republic of Belarus by EPAM, SAP S/4HANA Finance, localization extension 2.0 for the Republic of Belarus by EPAM, SAP S/4HANA Finance, localization extension 3.0 for the Republic of Belarus by EPAM.
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1. Solution architecture

This document represents complex solution automating maintenance of [electronic invoices \(EINV\) in the Republic of Belarus \(<http://vat.gov.by>\)](#) on the basis of SAP EPR system.

EINV solution consists of two parts: basic solution and expand BADI, taking into account the individual characteristics of the formation and comparison of the Customer's electronic invoices.

Localization solution includes:

1. Customizing tables and directories for EINV.
2. Transaction /CBY/REG - Formation and analysis of EINV.
3. Possibility of enhancement: BADI for the creation of outgoing EINV for operations with legal entities.
4. Possibility of enhancement: BADI for the creation of outgoing EINV for sale operations to individuals.
5. Transaction /CBY/REGINV – Electronic invoice journal.
6. Possibility of enhancement: BADI by comparing incoming EINV with SAP documents.

The main function of the transaction /CBY/REG (Formation and analysis of EINV) is the creation of outgoing EINVs for EINV journal based on the selected system FI documents.

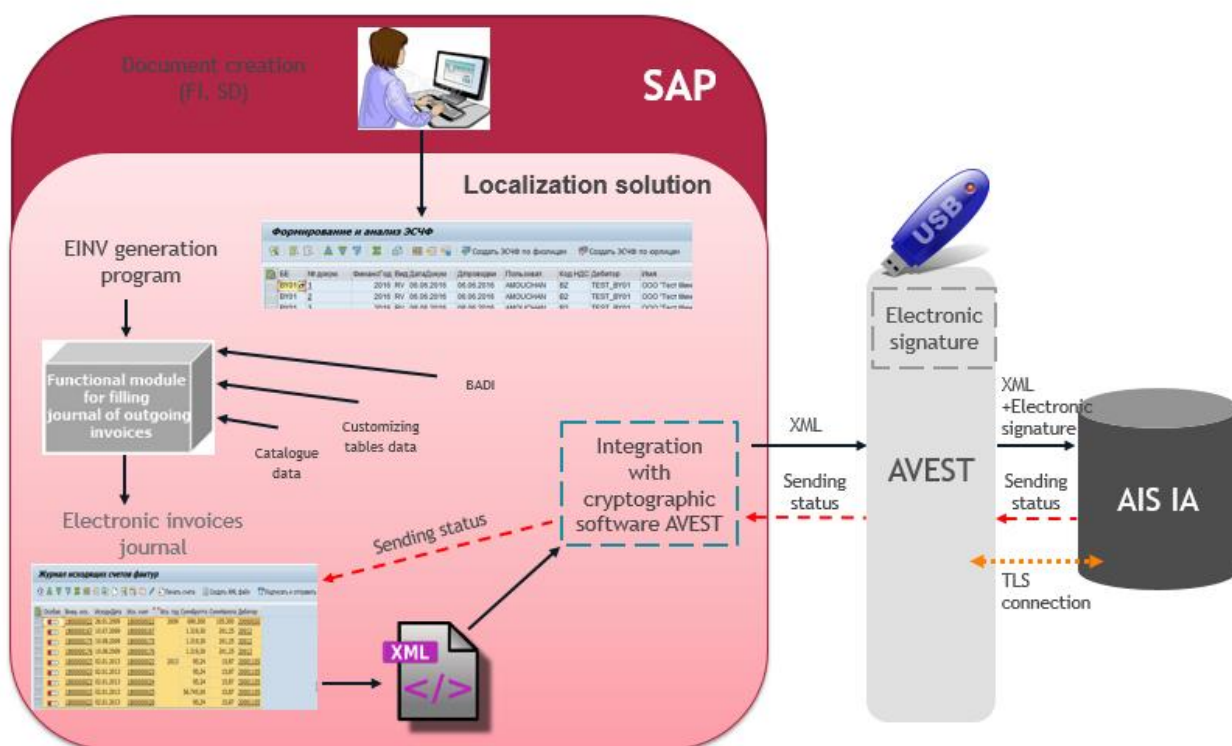
Basic Functions of transaction /CBY/REGINV (Electronic invoice journal):

- Manual creation, editing, displaying of outgoing and incoming EINV.
- Sending (including mass) of the EINV for signing and on the AIS Portal IA.
- Storing the sending statuses.
- Automatic generation of records of incoming EINVs based on the EINV received from the portal in XML format.
- Comparison of FI documents in the system and records of incoming EINVs in the journal.
- Signing of incoming EINV without a separate entrance to the Portal.
- Feature formation in FI documents for the subsequent acceptance of VAT as a deduction.

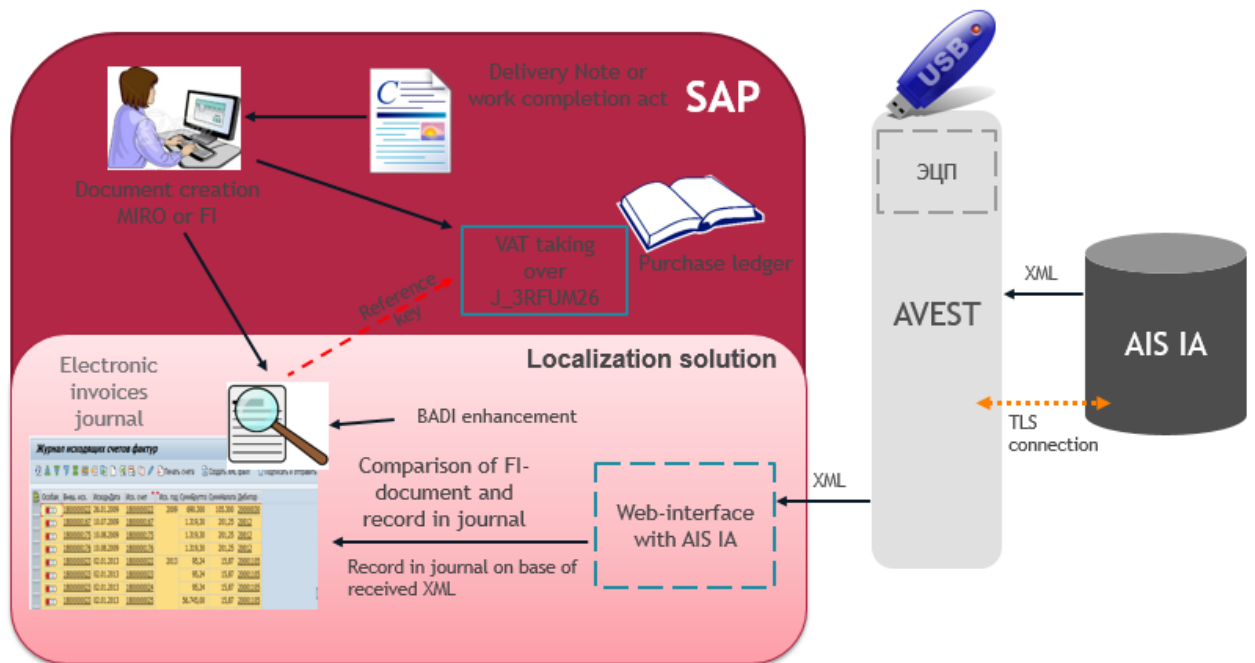
As part of this solution, integration with the AIS Portal IA is implemented using components (libraries) ActiveX from AVEST.

Currently these libraries using is only official solution allowing to establish a secure connection with the Portal, as well as to perform all the necessary commands (such as signing EINV, sending outgoing EINV, receiving incoming EINV getting EINV status etc.).

Basic solution allows to create outgoing EINV on main fields, on operations for sale operations to legal entities and individuals under contracts for the sale of own goods, works, services and other assets conducted through the sales module (SD) or on the basis of the FI document, of the revenue, customer and VAT items, based on the accounts from customizing table / CBY / _C_EINVACC (Customizing table of accounts for EINV).



Pic.1 Solution architecture of outgoing invoices



Pic.2 Solution architecture of incoming EINV

2. Outgoing EINV formation

2.1. Original EINV formation by operation with legal entities

For EINV formation, you need to run transaction:

Transaction code	/CBY/REG – Formation and analysis of EINV
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On selection screen for documents selection enter Company code, document number, Fiscal year, document type, posting date etc.

Field name	User action and value	Comments
<i>Company code</i>	<i>Company code</i>	Mandatory field
<i>Document number</i>	<i>Document number</i>	Optional field
<i>Fiscal year</i>	<i>Fiscal year</i>	Optional field
<i>Document type</i>	<i>Document type</i>	Optional field
<i>Posting date</i>	<i>Posting date</i>	Optional field
<i>Document date</i>	<i>Document date</i>	Optional field

Formation and analysis of EInv

Create EINV individuals **Create EINV legal entities**

Co.C.	DocumentNo	Fiscal	T.	Doc. Date	Pstng Date	T.	Customer	Vendor	Name	Tax No. 1	Tax No. 2	Reference	Reversal	Neg.p.	Document Header Text	Cost	VAT amount	Total	Invoice number
BY01	1400000026	2017	DZ	24.03.2017	24.03.2017	T.	TEST_BY01		ООО "Тест Минск01"	101528843	12131415				ВХОДЯЩИЙ ПЛАТЕЖ Д.	300,00	0,00	300,00	
BY01	1400000028	2017	DZ	13.09.2017	13.09.2017	T.	TEST_BY01		ООО "Тест Минск01"	101528843	12131415	ПОСТДЕНСР-В				1.000,50	0,00	1.000,50	
BY01	1500000036	2017	KZ	24.03.2017	24.03.2017	P0						3333			ВЫПЛАТА КРЕДИТОРУ	343,00	0,00	0,00	
BY01	1500000038	2017	KZ	09.10.2017	09.10.2017	P0										2.000,00	0,00	0,00	
BY01	1800000023	2017	DR	01.09.2017	01.09.2017	B2	TEST_BY01			12131415	12131415	ТТН0897090	1800000026			567,00	0,00	567,00	10154667320171800000023
BY01	1800000024	2017	DR	01.09.2017	01.09.2017	B2	TEST_BY01			12131415	12131415					2.880,67	576,13	3.456,80	
BY01	1800000025	2017	DR	12.09.2017	12.09.2017	B1	TEST_BY01			12131415	12131415	ТТН0897092				909,54	90,96	1.000,50	
BY01	1800000026	2017	DR	01.09.2017	01.09.2017	B2	TEST_BY01			12131415	12131415	ТТН0897090	1800000023	X		567,00	0,00	567,00	
BY01	1800000027	2017	DR	12.09.2017	14.09.2017	B2	TEST_BY01			12131415	12131415					3.750,00	750,00	4.500,00	10154667320171800000027
BY01	1900000035	2017	KR	08.09.2017	08.09.2017				BYTEST ООО "Тест Минск"12	100343982	12345678					715,00	0,00	0,00	

After successful operation, EINV will be created for every selected document. EINV number will be written in the Texts of FI-document.

Example:

Document Edit Goto **Extras** Settings Environment System Help

- Additional Data
- ISR Data
- Withholding Tax Data
- Net Distribution...
- Alternative Payee
- Texts...**
- Clearing Info
- Payment Card Data

Display Document

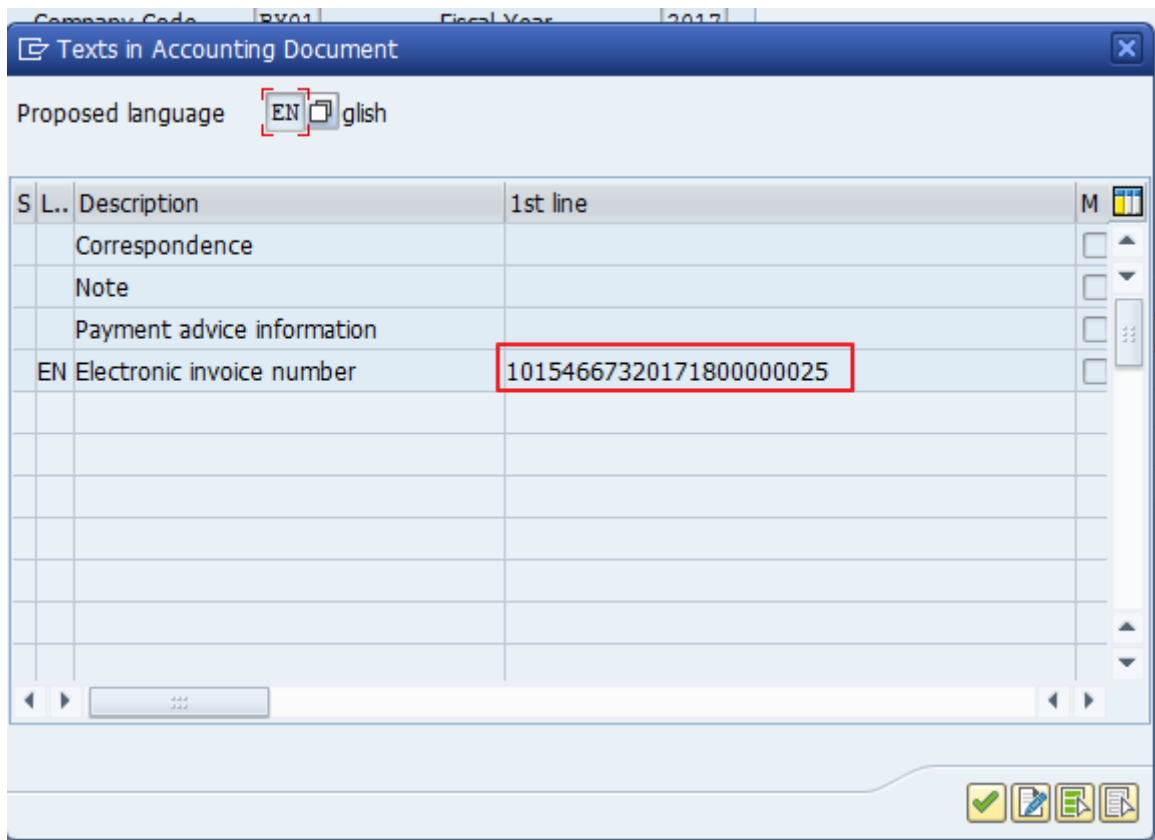
Data Entry View

Document Number 1800000027
 Document Date 12.09.2017
 Reference ТТН0897092
 Currency BYN

Fiscal Year 2017
 Period 9

Texts exist Ledger Group

Co...	Item	PK	S	D	Account	Description	Amount	Curr.	Tx	Amount in LC	Assignment
BY01	1	01	S		TEST_BY01	ООО "Тест Минск01"	1.000,50	BYN	B1	1.000,50	20170912
	2	50	H		90010000	Sales	909,54	BYN	B1	909,54	18000000252017
	3	50	H		68020100	НачНДСотРеализТовУсл	90,96	BYN	B1	90,96	18000000252017
	4	40	S		90020000	НДС от реализации	90,96	BYN	B1	90,96	18000000252017
	5	50	H		90010001	НДС в выручке	90,96	BYN	B1	90,96	18000000252017



Created EINV numbers are written in appropriate field:

Formation and analysis of EINV

Create EINV individuals Create EINV legal entities

CoC	DocumentNo	Fiscal	T.	Doc. Date	Postng Date	T.	Customer	Vendor	Name	Tax No. 1	Tax No. 2	Reference	Reversal	Neg.p.	Document Header Text	Cost	VAT amount	Total	Invoice number	Co
BY01	1400000026	2017	DZ	24.03.2017	24.03.2017		TEST_BY01		ООО "Тест Минск01"	101528843	12131415				ВХОДЯЩИЙ ПЛАТЕЖ Д	300,00	0,00	300,00		
BY01	1400000078	2017	DZ	13.09.2017	13.09.2017		TEST_BY01		ООО "Тест Минск01"	101528843	12131415	ПОСТДЕНСР-В				1.000,50	0,00	1.000,50		
BY01	1500000036	2017	KZ	24.03.2017	24.03.2017			BYTEST	ООО "Тест Минск"12	100343982	12345678	3333			ВЫПЛАТА КРЕДИТОРУ	343,00	0,00	0,00		
BY01	1500000038	2017	KZ	09.10.2017	09.10.2017	P0		BYTEST	ООО "Тест Минск"12	100343982	12345678					2.000,00	0,00	0,00		
BY01	1800000023	2017	DR	01.09.2017	01.09.2017	B2	TEST_BY01		ООО "Тест Минск01"	101528843	12131415	ТТН0897090	1800000026			567,00	0,00	567,00	1015466732017180000023	5
BY01	1800000024	2017	DR	01.09.2017	01.09.2017	B2	TEST_BY01		ООО "Тест Минск01"	101528843	12131415					2.880,67	576,13	3.456,80		
BY01	1800000025	2017	DR	12.09.2017	12.09.2017	B1	TEST_BY01		ООО "Тест Минск01"	101528843	12131415	ТТН0897092				909,54	90,96	1.000,50	1015466732017180000025	9
BY01	1800000026	2017	DR	01.09.2017	01.09.2017	B2	TEST_BY01		ООО "Тест Минск01"	101528843	12131415	ТТН0897090	1800000023	X		567,00-	0,00	567,00-	1015466732017180000026	5
BY01	1800000027	2017	DR	12.09.2017	14.09.2017	B2	TEST_BY01		ООО "Тест Минск01"	101528843	12131415					3.750,00	750,00	4.500,00	1015466732017180000027	3,7
BY01	1900000035	2017	KR	08.09.2017	08.09.2017			BYTEST	ООО "Тест Минск"12	100343982	12345678					715,00	0,00	0,00		

Fi-document number will be added to EINV in appropriate field.


2.2. Additional outgoing EINV creation for operations with legal entities

2.2.1. Additional EINV creation without link

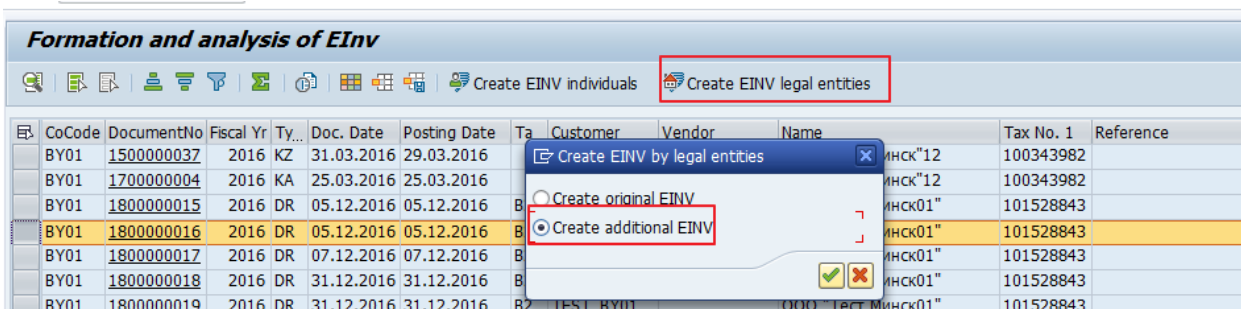
For EINV formation, you need to run transaction:

Transaction Code	/CBY/REG – Formation and analysis of EINV
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On selection screen, choose Company code, document number, Fiscal year, document type, posting date etc.

XREF1_HD) you should enter value by mask ADD^XXXXXXXXXXYYYY» where **XXXXXXXXXX** – 10 symbols of **FI-document number in the system**, **YYYY** – 4 symbols of **year of FI-document in the system**. In this case it will be value ADD^18000026872016. After that you should confirm entered value and save document using button .

Return to the list “Formation and analysis of EINV”. Select needed record, press “Create EINV legal entities” and in opened window select “Create additional EINV”.



After performing the operation, the number of the EINV will be written in the selected record with the type "Additional with reference to the source original".

2.3. Original EINV formation for sale operations to individuals

For EINV formation, you need to run transaction:

Transaction Code	/CBY/REG – Formation and analysis of EINV
-------------------------	---

On selection screen for documents selection enter Company code, document number, Fiscal year, document type, posting date etc.

Field name	User action and values	Comments
Company code	Company code	Mandatory field
Document number	Document number	Optional field
Fiscal year	Fiscal year	Optional field
Document type	Document type	Optional field
Posting date	Posting date	Optional field
Document date	Document date	Optional field
Tax code	VAT code	Optional field
Customer account	Customer account	Optional field
Vendor account	Vendor account	Optional field

Field name	User action and values	Comments
User name	User name	Optional field
<i>Add. parameters EINV for individuals</i>		
Transaction date	EINV date	Optional field
Name	Position name of EINV	Optional field

Formation and analysis of EInv

Selection

Company Code	BY01	to		
Document Number		to		
Fiscal Year	2016	to		
Document Type		to		
Posting Date		to		
Document Date		to		
Tax code		to		
Customer		to		
Vendor or Creditor		to		
User Name		to		

Add

Transaction date	31.12.2016
Name	Розничная реализация

Press "Execute" (F8).

In formatted documents list you should filter and exclude reversal documents and positions with feature reversal and exclude documents with formed EINV ("EINV number" field is filled).

Formation and analysis of EInv

CoCode	DocumentNo	Fiscal Yr	Type	Doc. Date	Posting Date	Tax. Customer	Vendor	Name	Tax No. 1	Tax No. 2	Reference	Reversal	Neg.posting	Document Header Text	Cost	VAT amount	Total	Invoice number
BY01	1800000015	2016	DR	05.12.2016	05.12.2016	B2	TEST_BY	ООО "Тест Минск01"	101528843	12131415					83,33	16,67	100,00	
BY01	1800000016	2016	DR	05.12.2016	05.12.2016	B2	TEST_BY	ООО "Тест Минск01"	101528843	12131415					41,67	8,33	50,00	
BY01	1800000017	2016	DR	07.12.2016	07.12.2016	B2	TEST_BY	ООО "Тест Минск01"	101528843	12131415					8,79	1,76	10,55	
BY01	1800000018	2016	DR	31.12.2016	31.12.2016	B2	TEST_BY	ООО "Тест Минск01"	101528843	12131415					385,83	77,17	463,00	10154667320161800000019
BY01	1800000019	2016	DR	31.12.2016	31.12.2016	B2	TEST_BY	ООО "Тест Минск01"	101528843	12131415					67,00	0,00	67,00	10154667320161800000020
BY01	1800000020	2016	DR	31.12.2016	31.12.2016	B2	TEST_KZ	ООО "Тест Казахстан"	101528843	12131415					67,00	0,00	67,00	10154667320161800000021
BY01	1800000021	2016	DR	31.12.2016	31.12.2016	B0	TEST_BY	ООО "Тест Минск01"	101528843	12131415					564,00	0,00	564,00	10154667320161800000022
BY01	1800000022	2016	DR	31.12.2016	31.12.2016	B0	TEST_KZ	ООО "Тест Казахстан"	101528843	12131415					1,302,08	0,00	1,302,08	
BY01	1900000022	2016	KR	31.05.2016	31.05.2016	P2	BYTEST2	ЗАО "Белорусская не"	190832326						120,00	0,00	120,00	
BY01	1900000023	2016	KR	30.05.2016	30.05.2016	P2	BYTEST2	ЗАО "Белорусская не"	190832326									

To create EINV you should select necessary records, press "Create EINV individuals".

Formation and analysis of EINV

Create EINV individuals Create EINV legal entities

CoCode	DocumentNo	Fiscal Yr	Type	Doc. Date	Posting Date	Tax...	Customer	Vendor	Name	Tax No. 1	Invoice number
BY01	1500000035	2016	KZ	25.03.2016	25.03.2016			BYTEST	ООО "Тест Минск"12	100343982	
BY01	1500000037	2016	KZ	31.03.2016	29.03.2016			BYTEST	ООО "Тест Минск"12	100343982	
BY01	1700000004	2016	KA	25.03.2016	25.03.2016			BYTEST	ООО "Тест Минск"12	100343982	
BY01	1800000015	2016	DR	05.12.2016	05.12.2016	B2	TEST_BY...		ООО "Тест Минск01"	101528843	
BY01	1800000016	2016	DR	05.12.2016	05.12.2016	B2	TEST_BY...		ООО "Тест Минск01"	101528843	
BY01	1800000017	2016	DR	07.12.2016	07.12.2016	B2	TEST_BY...		ООО "Тест Минск01"	101528843	
BY01	1800000018	2016	DR	31.12.2016	31.12.2016	B2	TEST_BY...		ООО "Тест Минск01"	101528843	
BY01	1800000019	2016	DR	31.12.2016	31.12.2016	B2	TEST_BY...		ООО "Тест Минск01"	101528843	10154667320161800000019

After successful operation, only one EINV will be created for all selected documents. EINV number will be written in Texts of FI-document:

Data Entry View

Document Number: 1800000017 Company Code: BY01 Fiscal Year: 2016
 Document Date: 07.12.2016 Posting Date: 07.12.2016 Period: 12
 Reference: Cross-CC no.: Currency: BYN Texts exist: Ledger Group:

EN Texts in Accounting Document

Proposed language: EN EN glish

S L...	Description	1st line	M	Amount in LC	Assignme
	Correspondence			8,79-	1800000
	Note			1,76-	1800000
	Payment advice information			1,76-	1800000
	EN Electronic invoice number	10154667320169910000290		500,00-	
				91,67	
				8,79	1800000
				399,54	1800000

Created EINV number is written in appropriate field:

Formation and analysis of EINV

Create EINV individuals Create EINV legal entities

CoCode	DocumentNo	Fiscal Yr	Type	Doc. Date	Posting Date	Tax...	Customer	Vendor	Name	Tax No. 1	Invoice number
BY01	1500000035	2016	KZ	25.03.2016	25.03.2016			BYTEST	ООО "Тест Минск"12	100343982	
BY01	1500000037	2016	KZ	31.03.2016	29.03.2016			BYTEST	ООО "Тест Минск"12	100343982	
BY01	1700000004	2016	KA	25.03.2016	25.03.2016			BYTEST	ООО "Тест Минск"12	100343982	
BY01	1800000015	2016	DR	05.12.2016	05.12.2016	B2	TEST_BY01		ООО "Тест Минск01"	101528843	
BY01	1800000016	2016	DR	05.12.2016	05.12.2016	B2	TEST_BY01		ООО "Тест Минск01"	101528843	
BY01	1800000017	2016	DR	07.12.2016	07.12.2016	B2	TEST_BY01		ООО "Тест Минск01"	101528843	10154667320169910000290
BY01	1800000018	2016	DR	31.12.2016	31.12.2016	B2	TEST_BY01		ООО "Тест Минск01"	101528843	10154667320169910000290
BY01	1800000019	2016	DR	31.12.2016	31.12.2016	B2	TEST_BY01		ООО "Тест Минск01"	101528843	10154667320161800000019
BY01	1800000020	2016	DR	31.12.2016	31.12.2016	B2	TEST_KZ		ООО "Тест Казахстан"		10154667320161800000020

2.4. Work with Electronic invoice Journal



For EINV journal formation run transaction:

Transaction Code	/CBY/REGINV - Electronic invoice journal
-------------------------	--



On selection screen “Log of electronic invoices” fill necessary fields:

Field name	User action and value	Comments
<i>Company code</i>	<i>Company code</i>	Mandatory field
<i>Fiscal year</i>	<i>Fiscal year</i>	Mandatory field
<i>Reporting period</i>	<i>Reporting period</i>	Optional field
<i>Issuance date</i>	<i>Issuance date</i>	Optional field
<i>User name</i>	<i>Имя пользователя</i>	Optional field
<i>Date of invoice entry</i>	<i>Date of invoice entry</i>	Optional field
<i>Time of invoice entry</i>	<i>Time of invoice entry</i>	Optional field
<i>Output control</i>	<i>Display outgoing invoices list / Display incoming invoices list</i>	Optional field
<i>Outgoing invoices selection</i>		
<i>Invoice number</i>	<i>Invoice number</i>	Optional field
<i>UNP of recipient</i>	<i>UNP of recipient</i>	Optional field
<i>Customer</i>	<i>Customer</i>	Optional field
<i>Vat code</i>	<i>Vat code</i>	Optional field
<i>Show unsent</i>	<i>Show unsent</i>	Optional field
<i>Show with errors</i>	<i>Show with errors</i>	Optional field
<i>Show sent</i>	<i>Show sent</i>	Optional field
<i>Incoming invoices selection</i>		
<i>Invoice number</i>	<i>Invoice number</i>	Optional field
<i>UNP of sender</i>	<i>UNP of sender</i>	Optional field
<i>Vendor</i>	<i>Vendor</i>	Optional field
<i>Show unsorted</i>	<i>Show unsorted</i>	Optional field
<i>Show not founded</i>	<i>Show not founded</i>	Optional field
<i>Show mapped</i>	<i>Show mapped</i>	Optional field

Electronic invoice journal

General Selections





Company code	<input type="text" value="BY01"/>	
Fiscal year	<input type="text" value="2017"/>	
Reporting period	<input type="text"/>	to <input type="text"/>
Issuance date	<input type="text"/>	to <input type="text"/>
User name	<input type="text"/>	
Date of invoice entry	<input type="text"/>	to <input type="text"/>
Time of invoice entry	<input type="text" value="00:00:00"/>	to <input type="text" value="00:00:00"/>

Output Control

Display outgoing invoices list Layout






Display incoming invoices list Layout






Outgoing Invoices Selection Incoming Invoices Selection

Invoice number	<input type="text"/>	to	<input type="text"/>	
UNP of recipient	<input type="text"/>	to	<input type="text"/>	
Customer	<input type="text"/>	to	<input type="text"/>	
Vat code	<input type="text"/>	to	<input type="text"/>	

unsent
 with errors
 sent

Press "Execute" (F8).

ALV GRID of EINV journal contains a number of buttons      for manual processing of electronic invoices:

1. Button "Display record"  allows you to display detailed data of the EINV (headline and positions).
2. "Edit Record" button  enables the modification of detailed EINV data. This function is not available for exposed EINV.
3. "Create Record" button  allows you to create a new entry in the EINV Journal.
4. "Delete Entry" button  allows you to delete erroneous records.
5. Button "Copy record"  allows you to create a duplicate EINV.

Select EINV record and display its detailed data.

EInv journal: 9 rows

Status	EINV CoCode	Invoice number	Fiscal Yr	Correct	In/Out	Inv	Issuance date	TransDate	Invoice type	Original invoice number	CancelDate	StatProvid	DependPers	OffshResid	SDealGoods	BigCompany	Count
⊗	BY01	10154667320171800000023	2017	✓	O			01.09.2017	ORIGINAL			SELLER					112
⊗	BY01	10154667320171800000025	2017	✓	O			12.09.2017	ORIGINAL			SELLER					112
⊗	BY01	10154667320171800000026	2017	✓	O			01.09.2017	ADD_NO_REFERENCE			SELLER					112
⊗	BY01	10154667320171800000027	2017	✓	O			12.09.2017	ORIGINAL			SELLER					112
⊗	BY01	10154667320179910000256	2017	✓	O	03.03.2017	01.03.2017		ORIGINAL			SELLER					112
⊗	BY01	10154667320179910000257	2017	✓	O	03.03.2017	01.03.2017		ADDITIONAL	10154667320179910000256		SELLER					112
⊗	BY01	10154667320179910000258	2017	✓	O	03.03.2017	01.03.2017		ORIGINAL			SELLER					112
⊗	BY01	10154667320179910000259	2017	✗	X			03.03.2017	ORIGINAL			SELLER					112
⊗	BY01	10154667320179910000271	2017	✓	O	10.04.2017	01.03.2017		ORIGINAL			SELLER					112

Check the amounts and correctness of filling the EINV fields:

Company Code Fiscal Year System document num Fiscal Year Tax Code

Invoice No Transaction date Original invoice No.

Invoice type Issuance date Cancellation date

Provider details

Provider status Principal invoice No. Principal inv. dat

Dependent person Special deal goods Vendor invoice No. Vendor invoice dat

Resident of offshore Big company Branch code Registration number of goods release

Country code Applications for import of goods No. Date

Vendor name Release date Actual export date

Vendor address

Recipient details

Recipient status Registration number of goods release

Dependent person Special deal goods Applications for import of goods No. Date

Resident of offshore Big company Branch code Import date

Country code

Recipient name

Recipient address

Sender and Receiver details

Sender country code UNP sender Receiv. country code UNP receiv.

Sender name Receiver name

Sender address Receiver address

Delivery conditions

Contract No. Document type Blank seria Blank code

Contract date Supply document num Supply document date

Addit. Information

Data on goods (works, services), property rights

Item	ItemDescr	Goods code	OCED code	Quantity	UnitOfMeas	Unit price	Σ Cost	Σ ExcisAmoun	VAT rate	Σ VAT amount	Σ Total	Descriptio	VATcl.rate
1	Service			2,000	8751	10,00	20,00		20	4,00	24,00		0,0000
							20,00			4,00	24,00		

2.4.1. Sending of EINV to portal of Ministry of Taxes and Assessments

EINV with correct data can be sent to portal of Ministry of taxes and assessments.

To do this:

1. Select needed records of EINV journal and press the button “Send EINV”.

EINV journal: 9 rows

Statu	CoCode	Invoice number	Fiscal Yr	Corre	In/Out	Inv	Issuance date	TransDate	Invoice type	Original invoice number	CancelDa	StatPro	DependPers	OffshResid	SDealGoods	BigC
Red	BY01	10154667320171800000023	2017	✓	O			01.09.2017	ORIGINAL			SELLER				
Yellow	BY01	10154667320171800000025	2017	✓	O			12.09.2017	ORIGINAL			SELLER				
Red	BY01	10154667320171800000026	2017	✓	O			01.09.2017	ADD_NO_REFERENCE			SELLER				
Red	BY01	10154667320171800000027	2017	✓	O			12.09.2017	ORIGINAL			SELLER				
Green	BY01	10154667320179910000256	2017	✓	O		03.03.2017	01.03.2017	ORIGINAL			SELLER				
Green	BY01	10154667320179910000257	2017	✓	O		03.03.2017	01.03.2017	ADDITIONAL	10154667320179910000256		SELLER				
Green	BY01	10154667320179910000258	2017	✓	O		03.03.2017	01.03.2017	ORIGINAL			SELLER				
Red	BY01	10154667320179910000259	2017	✗	O		03.03.2017	01.03.2017	ORIGINAL			SELLER				
Green	BY01	10154667320179910000271	2017	✓	O		10.04.2017	01.03.2017	ORIGINAL			SELLER				

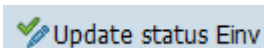
2. Insert a memory card with EDS into the computer and enter the password for connecting to the EINV MTA portal of the RB.
3. If the connection is successful, the ENV will be sent to the portal.

EINV statuses:

- Red – was not sent.
- Yellow – was sent with errors or during portal checking. Detail information is in the field “Status details”.
- Green – was sent without errors.

2.4.2. Update EINV status

To update EINV status select necessary records and press the button

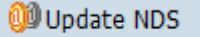


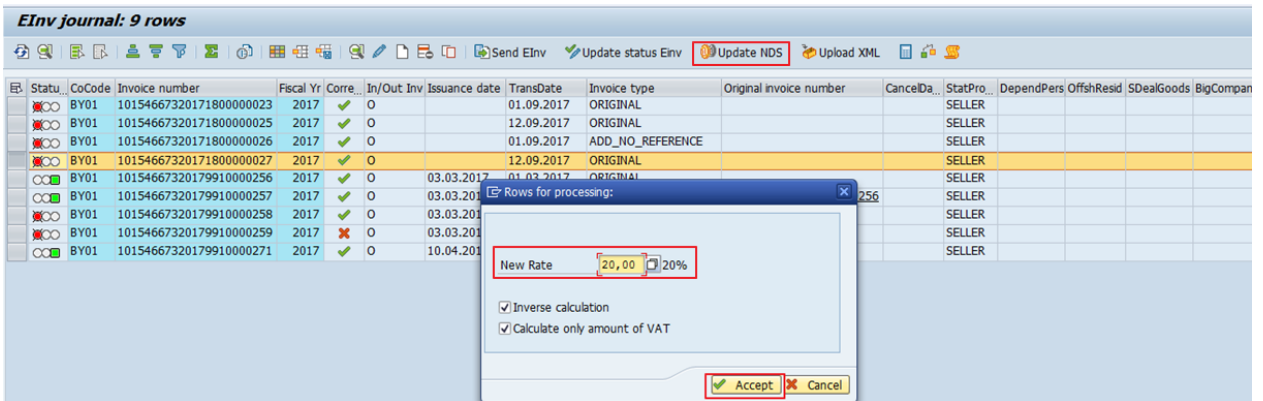
and enter the authorization parameters to MTA RB portal.

Status of processed EINV entries of journal will be updated.

2.4.3. Change VAT rate


For export operations a zero VAT rate applies. When documents justifying the application of the 0% VAT rate are absent, after the expiration of the 180-day period VAT must be accrued. For a massive change of the VAT rate in the EINV, a mechanism is provided that allows to specify a new VAT rate (from the directory / CBY / _VATRATES) in the allocated EINVs, followed by automatic recalculation of the amounts by items.

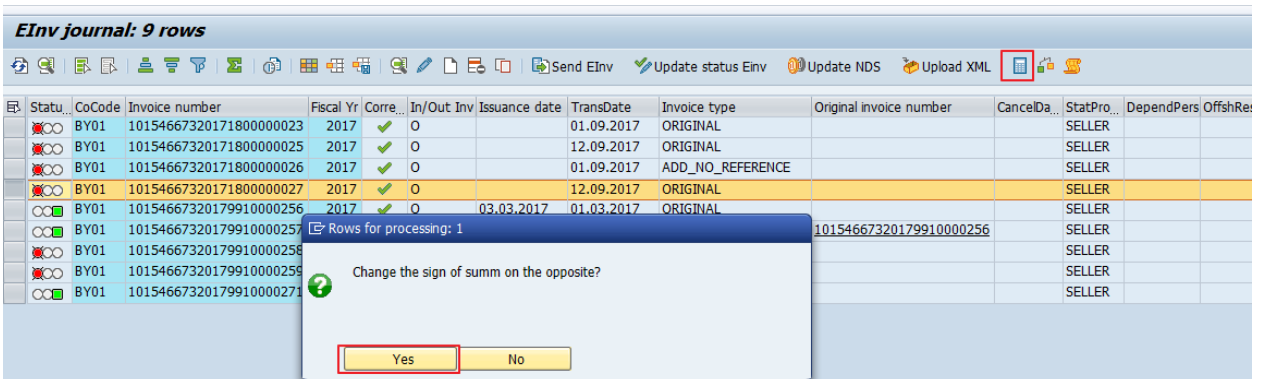
To do this, select necessary EINV journal records. Click the button  . In the window that appears, specify a new VAT rate and the procedure for conversion of amounts. Press the button “Change” to confirm.



The value of the VAT rate for processed records of the journal EINV will be changed. The amounts in the selected EINV and its positions will also be recalculated taking into account the new rate.

2.4.4. Change the sign of the EINV sums

In cases when there is a need for a massive change in the sign of the sums to the opposite one (used in return and adjustment operations), the button  "Change the sign of sums on the opposite" is provided. To do this, select the needed ALV GRID records of the EINV journal. After clicking it, you need to confirm the action:




There will be a reversal of the sign.

2.4.5. EINV correctness checking

In EINV journal there are basic checks of filling EINV fields required by portal. Feature of EINV correctness is specified in the corresponding field:

EInv journal: 7 rows

StatusEINV	CoCode	Invoice number	Fiscal Yr	Correct	In/O
○○○	BY01	10034398220170000000002	2017	✓	0
○○○	BY01	10034398220170000000004	2017	✓	0
○○○	BY01	10034398220170000000005	2017	✓	0
○○○	BY01	10034398220170000000006	2017	✓	0
○○○	BY01	10034398220170000000008	2017	✓	0
○○○	BY01	10034398220179910000066	2017	✓	0
○○○	BY01	10034398220179910000070	2017	✗	0

To display the reasons why EINV did not pass the validation check you need to select EINV and press the button .

EInv journal: 7 rows

StatusEINV	CoCode	Invoice number	Fiscal Yr	Correct	In/Out	Inv	Issuance date	TransDate	Invoice type	OrigInvNum	CancelDate	StatProvid	DependPers	OffshResid	SDealGoods B
○○○	BY01	10034398220170000000002	2017	✓	0		04.05.2017	04.05.2017	ORIGINAL			SELLER			
○○○	BY01	10034398220170000000004	2017	✓	0			04.05.2017	ORIGINAL			SELLER			
○○○	BY01	10034398220170000000005	2017	✓	0			04.05.2017	ADD_NO_REFERENCE			SELLER			
○○○	BY01	10034398220170000000006	2017	✓	0		05.05.2017	04.05.2017	ORIGINAL			SELLER			
○○○	BY01	10034398220170000000008	2017	✓	0			05.05.2017	ORIGINAL			SELLER			
○○○	BY01	10034398220179910000066	2017	✓	0		11.01.2017	14.09.2016	ORIGINAL			SELLER			
○○○	BY01	10034398220179910000070	2017	✗	0		11.01.2017	14.09.2016	ORIGINAL			SELLER			

EInv journal: 7 rows

Error Messages

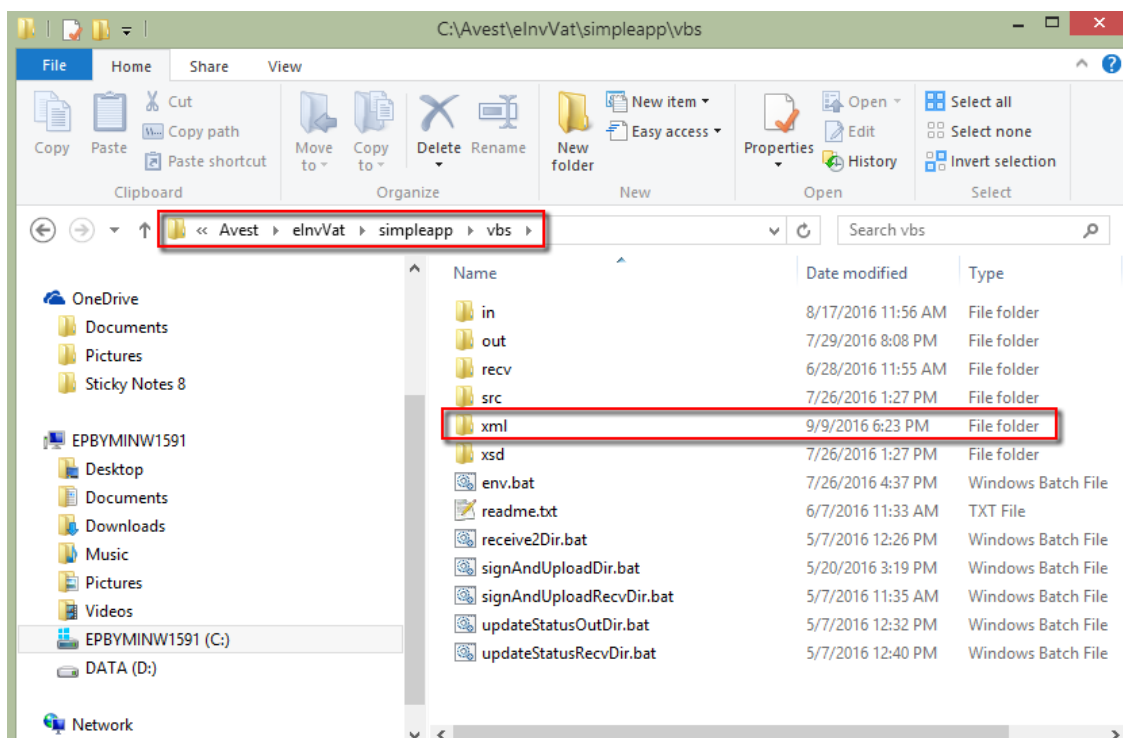
CoCode	Invoice number	Year	Field name
BY01	10034398220179910000070	2017	Delivery conditions: Document type, Supply document number, Supply document date If one of requisites of document (type or number or date) is filled, the other (type, number and date) are required

2.4.6. Formation of outgoing EINV from external file

The following requirements apply to the imported EINV file:

1. EINV file should be in XML format and completely correspond XSD schema used to check EINV structure.
2. Downloaded file should be in "XML" folder on the level of folders «IN», «OUT», «RECV» of AVEST software.

Example of path: C:\Avest\InvVat\simpleapp\vbs\xml.



Open EINV journal (CBY/REGINV - Electronic invoices journal). Select "Display outgoing invoices list". Press "Execute" (F8).

Press the button "Upload XML".

EINV journal: 64 rows

StatusEINV	CoCode	Invoice number	Fiscal Yr	Correct	In/Out	Inv. Issuance date	TransDate	Invoice type	Original invoice number	CancelDate	Provider status	DependPers	OffshResid	SDealGoods
BY01	10034398220160000000002	2016	✓	o	06.06.2016	06.06.2016	ORIGINAL				SELLER			
BY01	10034398220169910000113	2016	✓	o	20.08.2016	20.08.2016	ORIGINAL				SELLER			
BY01	10034398220169910000134	2016	✗	o	05.01.2017	05.01.2017	ORIGINAL				SELLER	X		
BY01	10034398220169910000135	2016	✓	o	20.08.2016	20.08.2016	ORIGINAL				SELLER			
BY01	10034398220169910000136	2016	✓	o	06.06.2016	06.06.2016	ADDITIONAL	10034398220169910000135			SELLER			
BY01	10154667320160000000001	2016	✓	o	06.06.2016	06.06.2016	ORIGINAL				SELLER			
BY01	10154667320160000000002	2016	✓	o	06.06.2016	06.06.2016	ORIGINAL				SELLER			
BY01	10154667320160000000003	2016	✓	o	08.06.2016	08.06.2016	ORIGINAL				SELLER			
BY01	10154667320160000000004	2016	✓	o	06.06.2016	06.06.2016	ORIGINAL				SELLER			

There will be an access to the "XML" folder, where the EINV should already be in the form of xml files.

If the download is successful, a new entry will be added to the EINV journal.

3. Processing of incoming EINV

3.1. Downloading of incoming EINV from the MTA RB portal

To download the incoming EINV from the MTA RB portal open the EINV journal (/ CBY / REGINV - ECCF Journal). Select “Display incoming invoices list”.

Electronic invoice journal

General Selections

Company code: BY01
Fiscal year: 2017

Reporting period: [] to []
Issuance date: [] to []
User name: [] []
Date of invoice entry: [] to []
Time of invoice entry: 00:00:00 to 00:00:00

Output Control

Display outgoing invoices list
 Display incoming invoices list

Layout: []
Layout: []

Outgoing Invoices Selection | Incoming Invoices Selection

Invoice number: [] to [] []
UNP of sender: [] to [] []
Vendor: [] to [] []

unsorted
 not found
 mapped

Press “Execute” (F8). Use the button “Upload EINV”.

EINV journal: 7 rows

Upload EINV Find FI doc Update status EINV Sing off

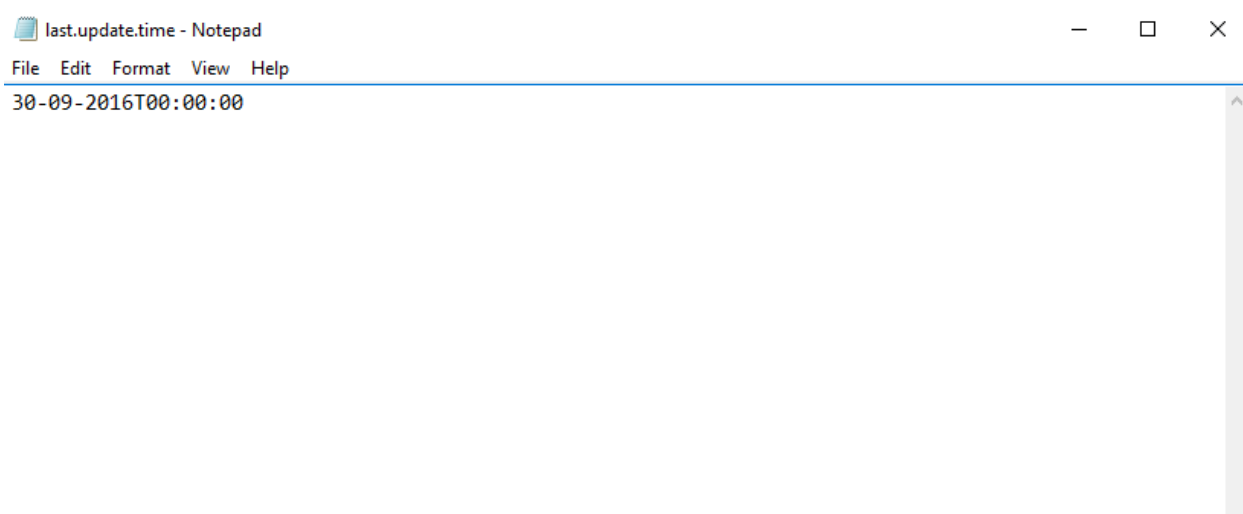
Status	EINV CoCode	Invoice number	Fiscal Yr	Correct	In/Out	Inv	Issuance date	TransDate	Invoice type	OrigInvNum	CancelDate	StatProvid	DependPers	OffshResid	SDealGoods	BigCompany	Country	UNP
✓	BY01	10034398220179910000067	2017	✓	I		03.02.2017		ORIGINAL			SELLER						78965
✗	BY01	10103553220170000000019	2017	✓	I		09.01.2017	16.12.2016	ORIGINAL			SELLER					112	10103
✓	BY01	10154667320170000000011	2017	✓	I		04.05.2017	04.05.2017	ORIGINAL			SELLER					112	10154
✓	BY01	10154667320170000000012	2017	✓	I		04.05.2017	04.05.2017	ORIGINAL			SELLER					112	10154
✓	BY01	10154667320170000000013	2017	✓	I		05.05.2017	04.05.2017	ORIGINAL			SELLER					112	10154
✓	BY01	10154667320170000000014	2017	✓	I		05.05.2017	04.05.2017	ORIGINAL			SELLER					112	10154
✗	BY01	10154667320170000000075	2017	✓	I		06.03.2017	28.02.2017	ORIGINAL			SELLER					112	10154

Enter password for portal connection.

If the connection is successful all unsigned incoming EINV will be downloaded from the portal within the last 30 days.

If you need to change this period, you should put a text file with name last.update.time in the folder "recv" (directory of received EINV), in which you specify the date and time from which you need to download the EINV (example: 30-09-2016T00:00:00).

Example of file:



3.2. Comparison of incoming EINV with documents in the system, EINV signing

A comparison of the incoming EINV and documents in the system is carried out using the function of the incoming EINV journal. Before the match, you should update the status of the EINV (see the "Update status EINV" paragraph). This is necessary to ensure that the vendor has not canceled the EINV, and also to fill the field " Issuance date of EINV", which is filled from the status of the EINV. After comparing the EINV with the FI document, this field is written to the position of the FI document creditor in the field Reference key 1 (XREF1), which is used by the program J3RFUM26 for subsequent VAT deduction.

Select one or more EINVs in the journal and press the button "Find FI-doc". Then program finds appropriate FI-documents.

EInv journal: 3 rows

Upload EInv Find FI doc Update status EInv Sing off

StatusEINV	CoCode	Invoice number	Fiscal Yr	Correct	In/Out	Inv	Issuance date	TransDate	Invoice type	OrigInvNum	CancelDate	StatProvid	DependPers	OffshResid	SDealGoods	BigCompany	Cou
	BY01	10034398220170000000001	2017	✓	I		02.11.2016	02.11.2016	ORIGINAL			SELLER					112
	BY01	10034398220179910000567	2017	✓	I		18.01.2017	14.09.2016	ORIGINAL			SELLER					112
	BY01	10154667320169910000240	2017	✓	I		31.07.2016	31.07.2016	ORIGINAL			SELLER					112

FI-documents searching takes place under the following conditions:

1. FI document has a preliminary VAT account specified in the setup table / CBY / _C_EINVACC (Transaction code / CBY / _C_EINVACC), where ACCOUNT_TYPE = 3 (preliminary VAT account).
2. The supplier's UNP in the FI document is equal to the UNP in the EINV.
3. The VAT amount in the FI document is equal to the amount of VAT in the EINV.
4. The amount with VAT in the FI document is equal to the amount with VAT in the EINV.

In case if needed FI-document is not found for manually searching you should select position or positions and press the button “Check manual”.

EInv journal: 3 rows

Upload EInv Find FI doc Update status EInv Sing off

EInv journal: 3 rows

Check manual

X	CoCd	Year	Invoice number	IssuanDate	TransDate	UNP	DocumentNo	Year	Doc. Date	T...	VAT amount in EInv	VAT amount in SAP	Total amount in EInv	Total
<input checked="" type="checkbox"/>	BY01	2017	10034398220170000000001	02.11.2016	02.11.2016	100343982	1900000033	2016	10.09.2016	KR	2,00	2,00	12,00	
<input type="checkbox"/>	BY01	2017	10034398220170000000001	02.11.2016	02.11.2016	100343982	1900000026	2016	26.10.2016	KR	2,00	2,00	12,00	

DocumentNo	Year	Doc. Date	T...	VAT amount in SAP	Total with VAT inSAP	SAP Supply Doc Name
1900000026	2016	26.10.2016	KR	2,00	12,00	
1900000027	2016	02.01.2016	KR	2,52	15,11	
1900000028	2016	02.01.2016	KR	2,52	15,11	
1900000031	2016	01.01.2016	KR	16,67	100,00	
1900000033	2016	10.09.2016	KR	2,00	12,00	
5100000000	2016	06.06.2016	RE	10,000	60,000	
5100000001	2016	01.01.2016	RE	2,000	12,000	213546
5100000003	2016	14.06.2016	RE	2,000	12,000	

Check selected outgoing EINV with appropriate FI-documents and confirm the compliance.

CoCd	Year	Invoice number	IssuanDate	TransDate	UNP	DocumentNo	Year	Doc. Date	T	VAT amount in EInv	VAT amount in SAP	Total amount in EInv	Total
BY01	2017	10034398220170000000001	02.11.2016	02.11.2016	100343982	1900000026	2016	26.10.2016	KR	2,00	2,00	12,00	

After that enter password for portal connection in order to sign EINV.

As a result of a successful comparison of the electronic invoice and the FI document and the signing of the EINV, the following sequence occurs:

1. EINV status becomes green:

StatusEINV	CoCode	Invoice number	Fiscal Yr	Correct	In/Out	Inv. Issuance date	TransDate	Invoice type	OrigInvNum	CancelDate	StatProvid	DependPers	OffshResid	SDealGoods	BigCompany	Country	UNP	Vendor name
○	BY01	10034398220179910000067	2017	✓	I	03.02.2017		ORIGINAL			SELLER					112	101035532	СП ООО "ПІЩІЦА КІПРІАНА"
○	BY01	10103553220170000000019	2017	✓	I	09.01.2017	16.12.2016	ORIGINAL			SELLER					112	101546673	ІООО "ЭПАМ Сістэма"
○	BY01	10154667320170000000011	2017	✓	I	04.05.2017	04.05.2017	ORIGINAL			SELLER					112	101546673	ІООО "ЭПАМ Сістэма"
○	BY01	10154667320170000000012	2017	✓	I	04.05.2017	04.05.2017	ORIGINAL			SELLER					112	101546673	ІООО "ЭПАМ Сістэма"
○	BY01	10154667320170000000013	2017	✓	I	05.05.2017	04.05.2017	ORIGINAL			SELLER					112	101546673	ІООО "ЭПАМ Сістэма"
○	BY01	10154667320170000000014	2017	✓	I	05.05.2017	04.05.2017	ORIGINAL			SELLER					112	101546673	ІООО "ЭПАМ Сістэма"
○	BY01	10154667320170000000075	2017	✓	I	06.03.2017	28.02.2017	ORIGINAL			SELLER					112	101546673	ІООО "ЭПАМ Сістэма"

2. FI-document number and its year will be added to EINV in appropriate fields:

Register Invoices in Journal: Display Entry

Company Code: Fiscal Year: System document num: Fiscal Year: Tax Code:

Invoice No: Transaction date: Original invoice No.:

Invoice type: Issuance date: Cancellation date:

3. In the position of the FI document creditor, the date of issuing the EINV in the format YYMMDD (where YY is the year, MM is the month, DD is the day) is recorded in the field "Reference key 1 (XREF1)", which is used by the program J3RFUM26 for the subsequent VAT deduction:

EInv journal: 3 rows

Statu...	CoCode	Invoice number	Fiscal Yr	Corre...	In/Out Inv	Issuance date	TransDate	InvType	OrigInvNum	CancelDa...	StatPro...	SystDocNum	Fiscal Yr	Depe
	BY01	1003439822017000000001	2017		I	02.11.2016	02.11.2016	ORIGINAL			SELLER			
	BY01	10034398220179910000567	2017		I	18.01.2017	14.09.2016	ORIGINAL			SELLER	1900000026	2016	
	BY01	10154667320169910000240	2017		I	31.07.2016	31.07.2016	ORIGINAL			SELLER	5100000001	2016	

Display Document: Line Item 001

Additional Data

Vendor: **BYTEST** ООО "Тест Минск"12 G/L Acc: 60001100
 Company Code: **BY01** Солнечная 11
 ОАО "Демо-Беларусь" Doc. no. 5100000001

Line Item 1 / Invoice / 31
 Amount: 1.200.000 BYR Amount in LC: 120,00 BYN
 Tax code: P2

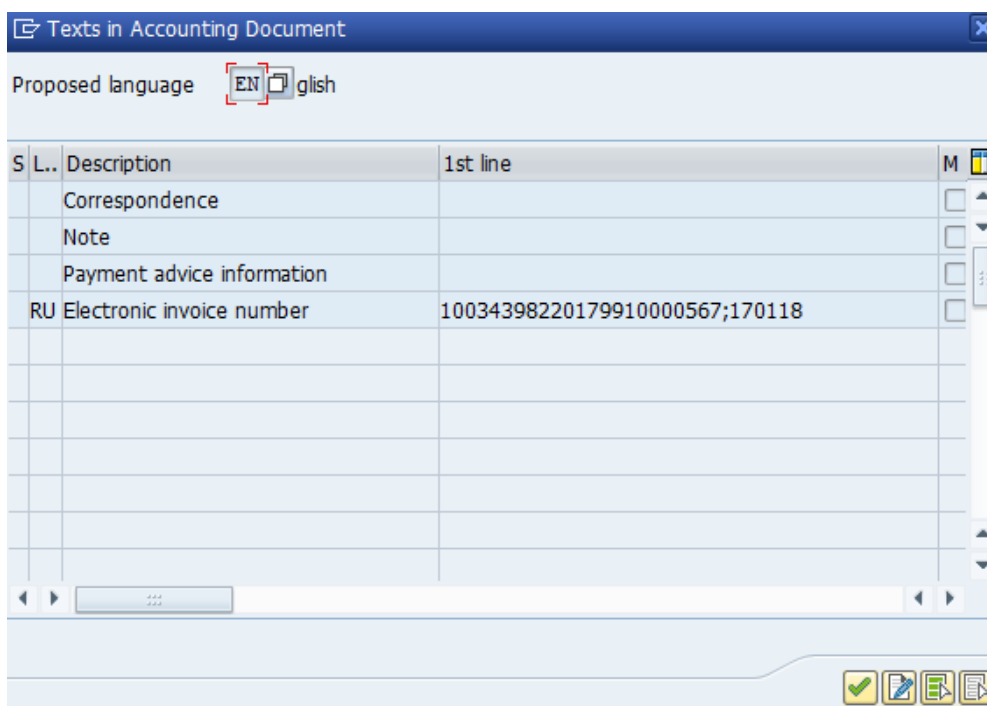
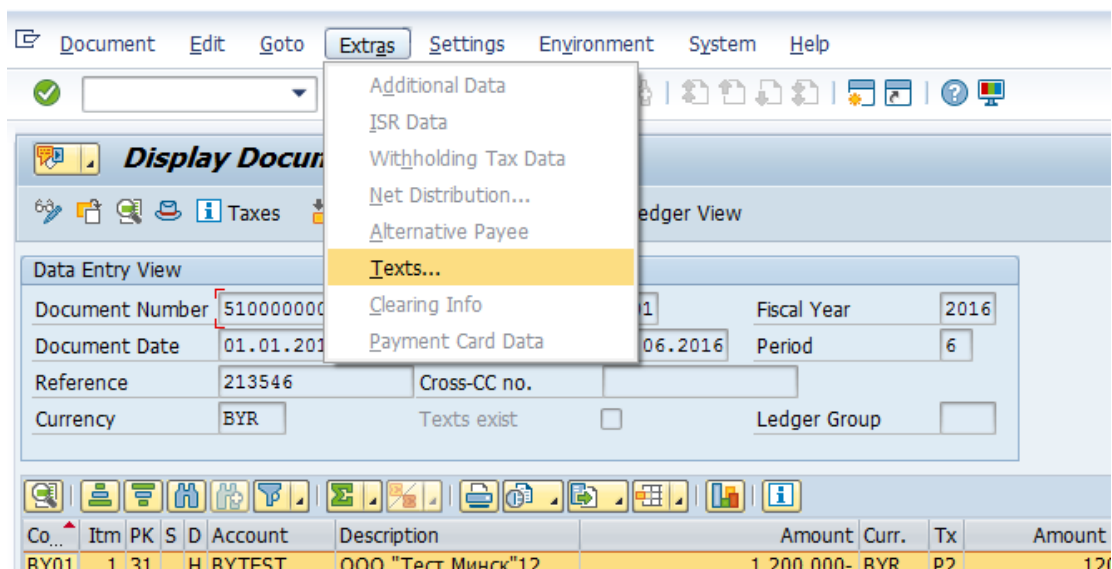
Additional Data

Bus. Area:
 Disc. base: 1.200.000
 Payt Terms:
 Bline Date: 01.06.2016
 Pmnt Block:
 Payment cur.:
 Pmt Method: Pmt meth.supl.
 Payment Ref.:
 Collect.inv.: 0
 Assignment: 20160606
 Text:

Additional Details for Line Item 001

House Bank: Part. Bank Type:
 Instructions: 0 0 0 0
 Valuation diff.: 0,00
 Diff.realized: 0,00
 Hedged ex.rt:
 Trading Partner:
 Planning Date: 01.06.2016
 Contract: /
 Specl G/L assgt: 51000000012016
 Transactn Type:
 Hedged amount: 0
 B/e pmnt req.:
 Planning Level: F1
 Trans.Type:
 Reference Key 1: 160731
 Reference Key 2:
 Reference Key 3:

- EINV number and issuance date will be written in Texts of FI-document.



5. Signing of EINV occurs and its sending to MTA portal with the subsequent updating of the EINV. Details of the status are reflected in the corresponding field.

COMPLETED Выставлен 2017-01-18T10:28:11