

ONESOURCE™ E-Invoicing

SAP S4/HANA Integration

CONFIGURATION AND USER GUIDE

PRODUCT VERSION 1.2.0.0

Document Version 1.0



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DOCUMENT HISTORY

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1.1.0.0	Dec 2023	Release 1.1 ~ Support for countries with clearance model ~ Support for Supplier e-invoices
1.2.0.0	Mar 2024	Release 1.2

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Integration Overview

There is a rapid growth in countries mandating e-invoicing or continuous transaction control requirements globally as governments prioritize tax reform and real-time reporting, creating challenges for businesses to comply.

To help customers achieve complete e-invoicing compliance, Thomson Reuters has integrated with Pagero, a provider of an open business network that allows businesses all over the world to send and receive e-invoices using one single connection. ONESOURCE E-Invoicing is a centralized platform designed to streamline electronic invoicing management for multinational businesses who are being mandated to comply with e-invoicing regulations around the world.

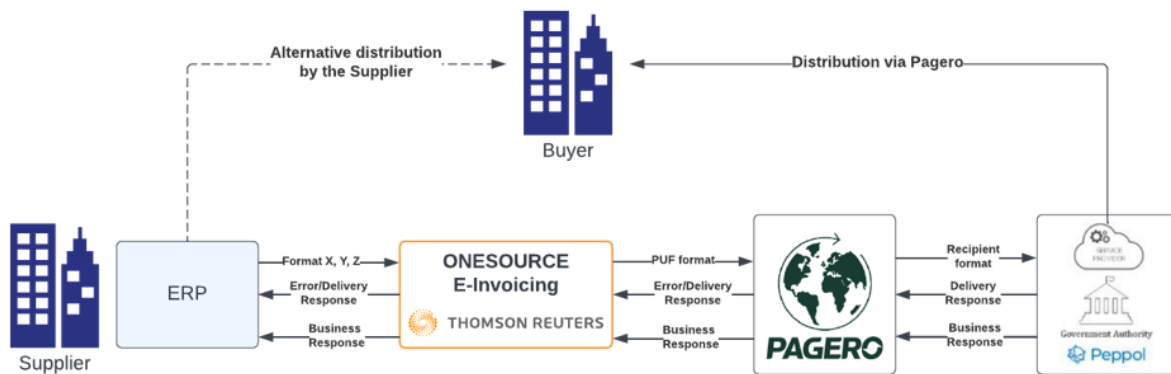
ONESOURCE E-Invoicing also gives customers a single access point to manage e-invoicing compliance. It offers pre-built integrations that connect businesses' financial systems, including SAP S/4HANA, minimizing cost and effort to comply.

ONESOURCE E-Invoicing benefits customers managing e-invoice mandates, providing:

- **Centralized control** – E-invoicing compliance supported across networks and borders, managed within a single platform.
- **Reduced cost** – Lower implementation costs, effort, and ongoing maintenance with pre-built integrations for SAP, in addition to other direct API integrations.
- **Simplified data management** – Economies of scale across countries with universal data mapping.
- **Time saved** – Maximized invoice flow supporting a faster time to payment, with automated e-invoice validation and data enrichment.

The addition of e-invoicing enhances the ONESOURCE suite, and Thomson Reuters now provides businesses with an end-to-end solution for indirect tax compliance, from tax determination and e-invoicing to compliance filing.

Architecture and Design Overview



- The ONESOURCE E-Invoicing Integration for SAP S/4HANA will utilize SAP's e-document framework (Basic Solution) which allows Thomson Reuters to extract Financial Accounting (FI) or Sales and Distribution (SD) data. A corresponding e-document will be created and for processing from the e-document cockpit for further processing.
- TR's solution will perform the following functions:
 - ✓ Map the data to the required ONESOURCE E-Invoicing (OEI) JSON Structure.
 - ✓ Submit the payloads to the ONESOURCE E-Invoicing (OEI) Component.
 - ✓ Process responses & statuses
- Upon submission, the e-invoice will be sent to the Thomson Reuters ONESOURCE Electronic Invoice integration for validation and processing by Pagero and other electronic exchange authority e.g., PEPPOL.

Prerequisites

Please take the following into account before installing the ONESOURCE E-Invoicing Integration for SAP S/4HANA:

- Minimum supported SAP system version is S/4HANA 2021

- You have made the Customizing settings required in SAP S/4HANA for the country you are implementing; For more information, refer to country-specific customizing specific for each country.

Supported Business Process

Electronic Customer Invoices

This section describes the supported processes for this integration using the eDocument Cockpit (EDOC_COCKPIT) transaction.

NOTE : Access to the E-doc cockpit and related standard SAP transactions are regulated using pre-existing standard SAP authorization objects, as outlined here: https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/80a58aef89b3425f8c334dc588567789/aa4d5070431d49fa95c4801e43ef7e86.html

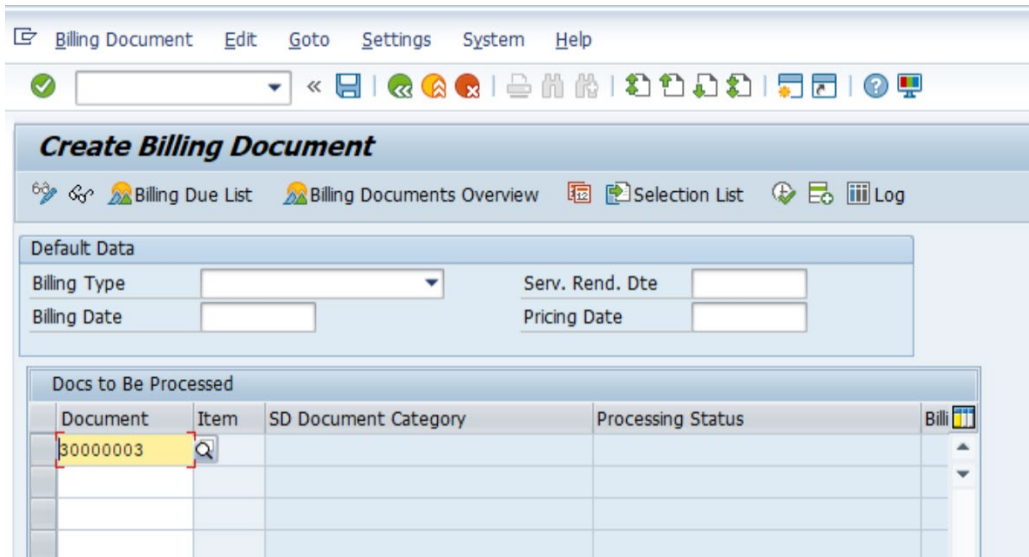
Processing Customer Invoices

This process supports the creation of electronic documents for invoices created in the SD or FI module and submit them electronically to the ONESOURCE E-Invoicing Integration for SAP S/4HANA

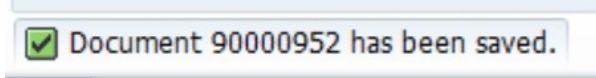
Procedure:

1. Post an invoice (SD or FI) in SAP S/4HANA
When an invoice gets posted, the solution will automatically create a corresponding e-Document record in the eDocument Cockpit

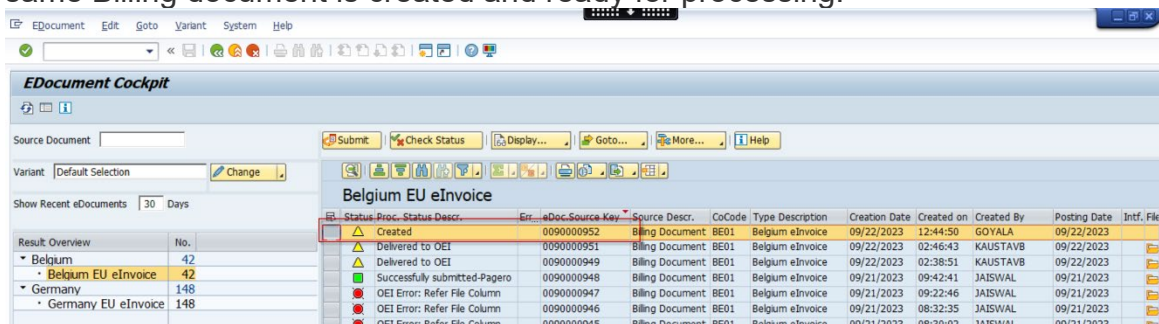
Example: Call Up Transaction VF01, enter delivery number and hit enter. Billing 90000952 generated.



A sales document is posted.

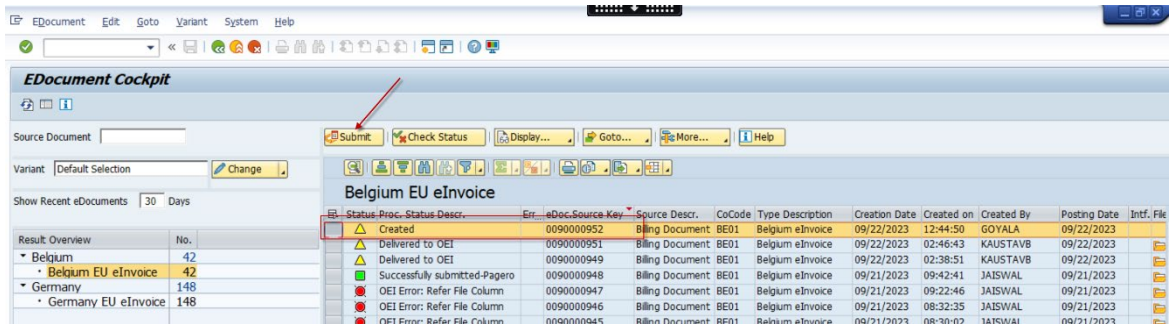


Open the transaction EDOC_COCKPIT. A corresponding e-document with the same Billing document is created and ready for processing.



2. Select the e-Documents and submit to ONESOURCE E-Invoicing (OEI) Solution for further processing by clicking "Submit"

The solution creates a JSON payload according to the ONESOURCE E-Invoicing (OEI) format and forwards it to ONESOURCE E-Invoicing (OEI)



Xml file display: Select the document line, Hit Display -> Display

```

<?xml version="1.0" encoding="UTF-8"?>
- <asx:abap xmlns:asx="http://www.sap.com/abapxml" version="1.0">
  - <asx:values>
    - <SOURCE>
      <ID>0E8978F1268B1EDE96A92ACBEBF88352</ID>
      <DOCUMENTNUMBER>0090000955</DOCUMENTNUMBER>
      <DUEDATE>2023-09-22</DUEDATE>
      <ISSUEDATE>2023-09-22</ISSUEDATE>
    - <EDOCUMENTTYPE>
      <NAME>INVOICE</NAME>
      <VALUE>INV</VALUE>
    - </EDOCUMENTTYPE>
      <CUSTOMERTYPE>B2B</CUSTOMERTYPE>
      <TAXPOINTDATE>2023-09-22</TAXPOINTDATE>
      <EDOCUMENTCURRENCYCODE>EUR</EDOCUMENTCURRENCYCODE>
    - <ACCOUNTINGSUPPLIERPARTY>
      - <PARTY>
        - <PARTYENDPOINTID>
          <VALUE>BE0999999999</VALUE>
          <SCHEMEID>9925</SCHEMEID>
        - </PARTYENDPOINTID>
          <PARTYIDENTIFICATIONID>
            <VALUE>BE015196782</VALUE>
            <SCHEMEID>0088</SCHEMEID>
          - </PARTYIDENTIFICATIONID>
            <PARTYNAME>Belgium Global Tax</PARTYNAME>
        - <POSTALADDRESS>
          <POSTBOX>143</POSTBOX>
          <STREETNAME>Route de Neufchateau</STREETNAME>
          <ADDITIONALSTREETNAME/>
          <BUILDINGNUMBER/>
          <DEPARTMENT/>
          <PLOTIDENTIFICATION/>
          <CITYSUBDIVISIONNAME/>
          <CITYNAME>Heks</CITYNAME>
        - </POSTALADDRESS>
      - </PARTY>
    - </ACCOUNTINGSUPPLIERPARTY>
  - </SOURCE>
- </asx:values>
- </asx:abap>
  
```

Once the e-document is submitted, the status changes to "Delivered to OEI"

<div> Submit Check Status Display... Goto... More... Help </div>							
<div> </div>							
Australia eInvoice							
	Status	Proc. Status Descr.	Error	File	eDocument Source Key	Source Description	CoCode
		Delivered to OEI			0090000477	Billing Document	3010

1. ONESOURCE E-Invoicing (OEI) performs the required validations and if the payload fails the OEI validations, it will return an OEI Error Message. Click on the attachment under the column “File” to view and analyze the error messages.

<div> Submit Check Status Display... Goto... More... Help </div>							
<div> </div>							
Belgium EU eInvoice							
	Status	Proc. Status Descr.	Error	File	eDoc.Source Key	Source Description	CoCode
		OEI Error: Refer File Column			251014000000172023	Accounting Document	2510
						Type Description	Belgium eInvoice

4. SAP S/4HANA updates the process status of the eDocument.

Submission of the electronic documents to ONESOURCE E-Invoicing (OEI) can be automated using background programs and jobs.

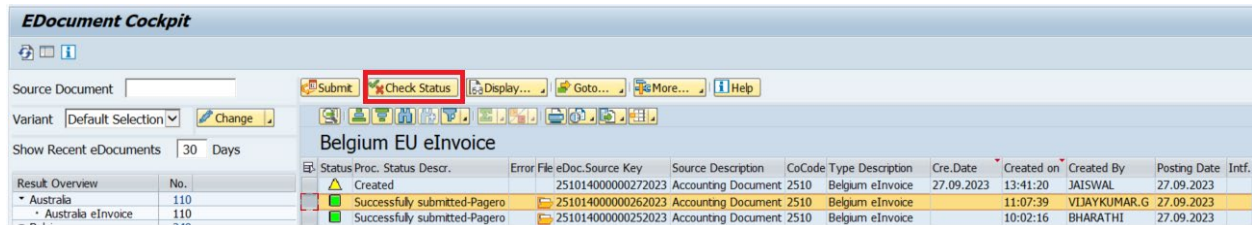
Other supported document types for electronic documents include Credit Memos, Debit Memos and Pre-Payments.

Checking Status of Electronic Documents

Throughout the lifecycle of the electronic document from the time of invoice submission from SAP to the Thomson Reuters ONESOURCE E-invoice component, you may be able to check and receive statuses of electronic documents.




Procedure:

Select the e-Document and click on the **CHECK STATUS** button from the e-Document transaction.



⚠️ Checking statuses of the electronic documents can be automated using background programs and jobs.

The table below shows the possible statuses of electronic documents and their corresponding resulting actions.

Status	Description	Required Action
INP  In Progress - Pagero	In Progress by ONESOURCE E-Invoicing (OEI)	None
SUB  Successfully submitted-Pagero	Success. Electronic document has been received by the government or another assigned authority	None
ERR  Error - Pagero	Validation error by ONESOURCE E-Invoicing (OEI)	Refer to the error description and make the necessary corrections. Refer to the section Statuses and Error Handling .

Receiving Business Responses

In this process, you will be able to receive business responses from resulting actions of the receiver (the buyer) of the electronic document. These responses will be received as part of the CHECK STATUS process.

For example, a technically correct invoice may have been received, however, the buyer decides to reject the invoice due to a business reason e.g. incorrect reference, missing PO numbers, etc.

The table below shows the possible statuses of electronic documents and its corresponding resulting actions.

Status	Description	Required Action
BUA	Business Acceptance	None

BUR	Business Rejection	Refer to the section Statuses and Error Handling.
-----	--------------------	---

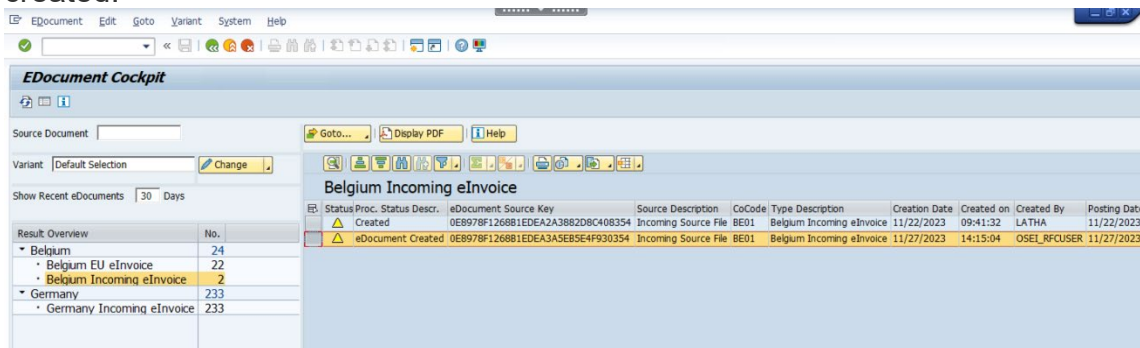
Electronic Supplier Invoices

Receiving Supplier Invoices

This process supports the creation of electronic documents for invoices sent by supplier to Pagero through ONESOURCE E-Invoicing Integration for SAP S/4HANA

Procedure:

1. Receiving Supplier Invoice from ONESOURCE E-Invoicing,
When an invoice is received, the system will automatically generate a corresponding e-Documents record in the eDocument Cockpit
Go to transaction EDOC_COCKPIT. A corresponding e-document document is created.



3. Select the e-Documents and submit to ONESOURCE E-Invoicing (OEI) Solution for further Display”

To display the XML file, select the document line, Click on Goto->Source Document

EDocument Cockpit

Source Document:

Variant:

Show Recent eDocuments: Days

Belgium Incoming eInvoice

Status	Proc.	Status Descr.	eDocument Source Key	Source Description	CoCode	Type Description	Creation Date	Created on	Created By	Posting Date
Created			0E8978F1268B1EDEA2A3882D8C408354	Incoming Source File	BE01	Belgium Incoming eInvoice	11/22/2023	09:41:32	LATHA	11/22/2023
eDocument Created			0E8978F1268B1EDEA3A5EB5E4F930354	Incoming Source File	BE01	Belgium Incoming eInvoice	11/27/2023	14:15:04	OSEL_RFCUSER	11/27/2023

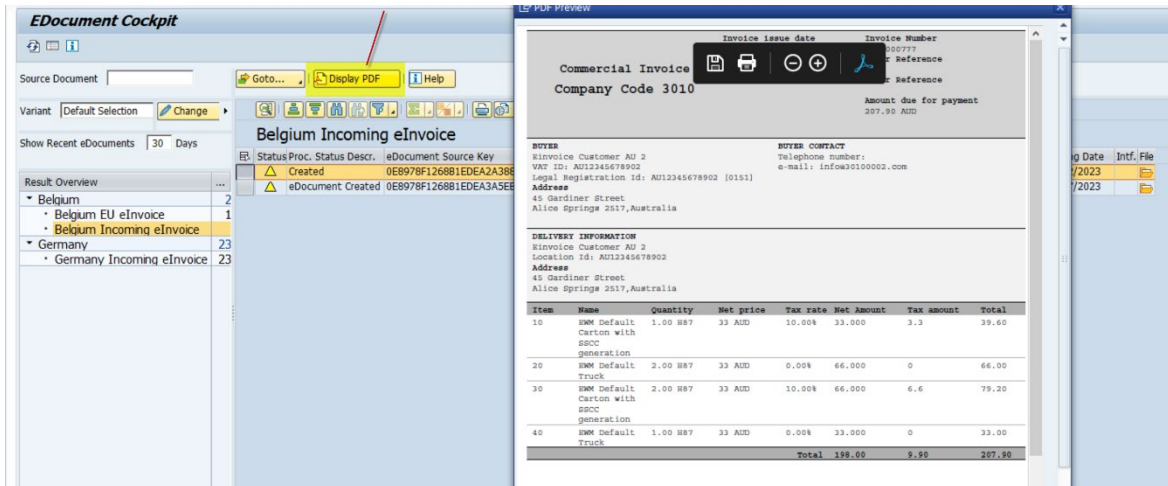
Result Overview

	No.
Belgium	24
Belgium EU eInvoice	22
Belgium Incoming eInvoice	2
Germany	233
Germany Incoming eInvoice	233

EDocument Cockpit

```
<?xml version="1.0" encoding="UTF-8"?>
- <asx:abap xmlns:asx="http://www.sap.com/abapxml" version="1.0">
  - <asx:values>
    - <SOURCE>
      <ID>ac4c3f7a-e00a-4be0-a24f-6e76210d5ce1</ID>
      <DOCUMENTNUMBER>SAK_1701094209</DOCUMENTNUMBER>
      <SOURCESYSTEM/>
      <ISSUEDATE>2023-11-02</ISSUEDATE>
      <ISSUETIME/>
      <DUEDATE>2023-07-20</DUEDATE>
    - <EDOCUMENTTYPE>
      <NAME/>
      <VALUE>INV</VALUE>
    </EDOCUMENTTYPE>
    <CUSTOMERTYPE>B2B</CUSTOMERTYPE>
    <DESCRIPTIONS/>
    <TAXPOINTDATE/>
    <EDOCUMENTCURRENCYCODE>AED</EDOCUMENTCURRENCYCODE>
    <TAXCURRENCYCODE>USD</TAXCURRENCYCODE>
    <ACCOUNTINGCOST/>
    <BUYERREFERENCE/>
    <EDOCUMENTPERIODS/>
    - <ORDERREFERENCE>
      <ID/>
      <SALESORDERID/>
      <ISSUEDATE/>
    </ORDERREFERENCE>
    <BILLINGREFERENCES/>
    <DESPATCHDOCUMENTREFERENCES/>
    <RECEIPTDOCUMENTREFERENCES/>
    <ORIGINATORDOCUMENTREFERENCES/>
    <CONTRACTDOCUMENTREFERENCES/>
    <ADDITIONALDOCUMENTREFERENCES/>
    <PROJECTREFERENCES/>
    - <ACCOUNTINGSUPPLIERPARTY>
      - <PARTY>
        - <PARTYENDPOINTID>
          <VALUE>BE0999999991</VALUE>
        <SCHEMEID/>
      </PARTY>
    </ACCOUNTINGSUPPLIERPARTY>
  </asx:values>
</asx:abap>
```

- To display the invoice in a human readable format, select the e-Documents and click Display PDF for Display.



Implementing Incoming Automatic Invoice Solution

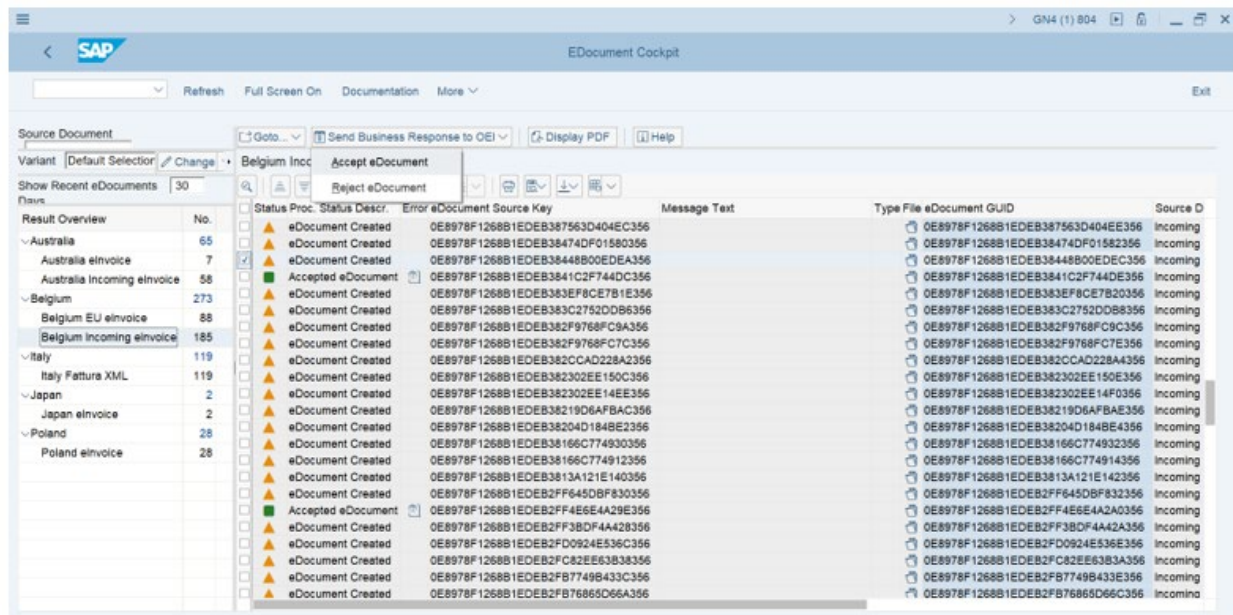
At this point, we are not offering an incoming invoice solution to automatically post the electronic supplier invoice.

You may, however, implement your own incoming automation solution by Implementing the BAdI eDocument Incoming Automation (EDOC_INCOM_CONNECTOR).

Sending Back Business Response

In this process, you will have the capability to communicate acceptance or rejection statuses back to OEI and Pagero for subsequent processing.

To send back a business response, first select the relevant e-document item from the eDocument Cockpit. Click the button 'Send Business Response to OEI' from which either 'Accept eDocument' or 'Reject eDocument' option needs to be selected.



After selecting the desired option, the status of the chosen eDocument is relayed to OEI, subsequently updating SAP to reflect either 'Accept' or 'Reject'.

In the event of an error during the transmission of the status to OEI, the status of the eDocument in SAP remains unchanged. Following necessary corrections, the business response for the eDocument can be reprocessed accordingly."

Installation and Set Up

Importing Transport Objects

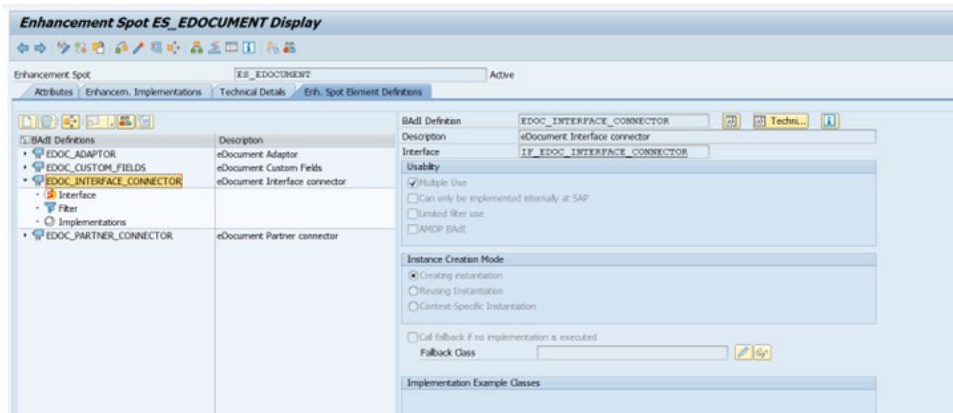
As part of the setting up of this Integration, you will have to import the Thomson Reuters provided transports. Import the provided transports in the following order:

Transport	Content
GN4K901106	ONESOURCE E-Invoicing Integration SAP S/4HANA 1.2.0.0 - Code
GN4K901107	ONESOURCE E-Invoicing Integration SAP S/4HANA 1.2.0.0-Config
GN4K901105	ONESOURCE E-Invoicing Integration SAP S/4HANA 1.2.0.0 - Role

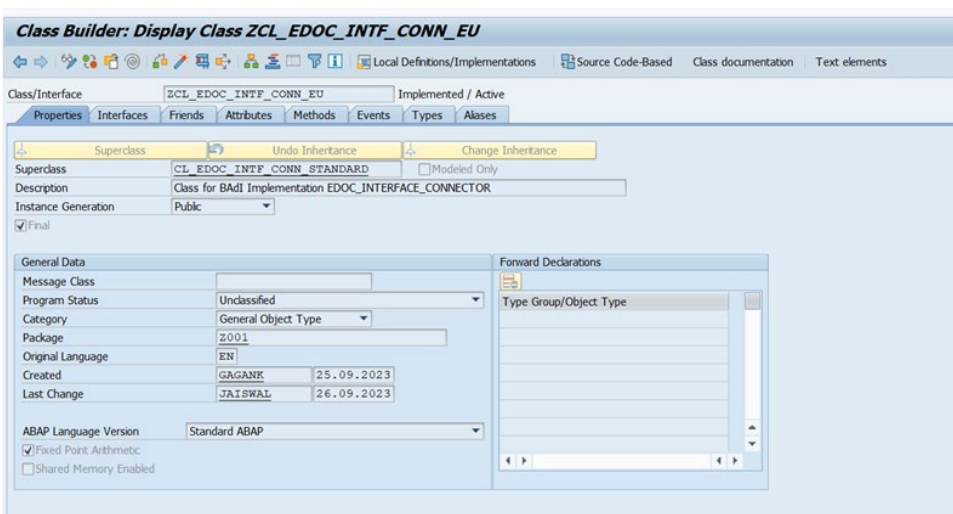
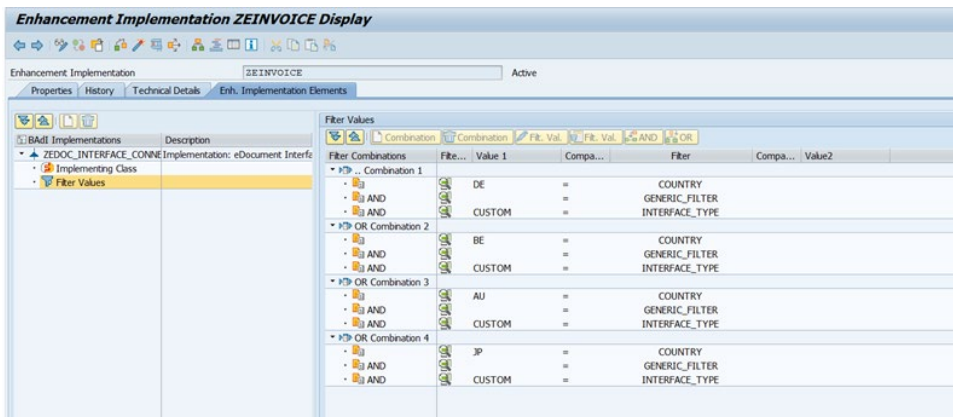
BADI Implementation

Procedure:

Create custom implementation of the BADI **EDOC_INTERFACE_CONNECTOR** in transaction **SE18**.



Maintain filters for the countries in scope. As an example, it would be countries Australia (AU), Belgium (BE) or Japan (JP).



Class Builder: Display Class ZCL_EDOC_INTF_CONN_EU

Local Definitions/Implementations Source Code-Based Class documentation Text elements

Class/Interface: ZCL_EDOC_INTF_CONN_EU Implemented / Active

Properties Interfaces Friends Attributes Methods Events Types Aliases

Parameters Exceptions Sourcecode Filter

Method	Level	Visibility	M...	Description
IF_EDOC_INTERFACE_CONNECTOR~DISPLA	Instance Method	Public		Display eDocument
IF_EDOC_INTERFACE_CONNECTOR~TRIGGER	Instance Method	Public		Trigger Interface

Add include – /TROSEI/DISPLAY_EDOCUMENT in the method DISPLAY_DOCUMENT.

Class Builder Class ZCL_EDOC_INTF_CONN_EU Display

Pattern Pretty Printer Signature Public Section Protected Section Private Section Text Elements

Ty.	Parameter	Typing	Description
IV	IV_EDOC_GUID	TYPE EDOC_GUID	eDocument: GUID
IO	IO_INTF_CONN_IMPL	TYPE REF TO IF_EDOC_INTF_CONN_IMPL OPTIONAL	eDocument Interface Connector Implementation
CV	CV_DISPLAY_DONE	TYPE ABAP_BOOL	'X': display executed; '' : no display executed
CT	CT_LOG_MESSAGE	TYPE BAPIRET2_TAB	Messages to be stored in the application log
CX	CX_EDOCUMENT		eDocument exceptions

Method: IF_EDOC_INTERFACE_CONNECTOR~DISPLAY_EDOCUMENT active

```

1  method IF_EDOC_INTERFACE_CONNECTOR~DISPLAY_EDOCUMENT.
2  **TRY.
3  *CALL METHOD SUPER->IF_EDOC_INTERFACE_CONNECTOR~DISPLAY_EDOCUMENT
4  * EXPORTING
5  *   IV_EDOC_GUID =
6  *   io_intf_conn_impl =
7  * CHANGING
8  *   CV_DISPLAY_DONE =
9  *   CT_LOG_MESSAGE =
10 *
11 * CATCH cx_edocument.
12 **ENDTRY.
13 INCLUDE /TROSEI/DISPLAY_EDOCUMENT.
14
15 endmethod.

```

Add include – /TROSEI/INTF_CONN_TRIGGER in the method TRIGGER.

Class Builder Class ZCL_EDOC_INTF_CONN_EU Display

Pattern Pretty Printer Signature Public Section Protected Section Private Section Text Elements

Ty.	Parameter	Typing	Description
IV	IV_EDOC_GUID	TYPE EDOC_GUID	eDocument: GUID
IO	IO_EDOCUMENT	TYPE REF TO CL_EDOCUMENT	eDocument
IV	IV_TEST_MODE	TYPE SAP_BOOL DEFAULT SPACE	Boolean Variable (X=True, Space=False)
IV	IV_INTERFACE_ID	TYPE EDOC_INTERFACE_ID OPTIONAL	Interface
IV	IV_INT_VERSION	TYPE EDOC_INT_VERSION OPTIONAL	eDocument Interface Version
IO	IO_INTF_CONN_IMPL	TYPE REF TO IF_EDOC_INTF_CONN_IMPL OPTIONAL	eDocument Interface Connector Implementation
CX	CX_EDOCUMENT		eDocument exceptions

Method: IF_EDOC_INTERFACE_CONNECTOR~TRIGGER active

```

1  method IF_EDOC_INTERFACE_CONNECTOR~TRIGGER.
2  **TRY.
3  *CALL METHOD SUPER->IF_EDOC_INTERFACE_CONNECTOR~TRIGGER
4  * EXPORTING
5  *   IV_EDOC_GUID =
6  *   IO_EDOCUMENT =
7  *   iv_test_mode = SPACE
8  *   iv_interface_id =
9  *   iv_int_version =
10 *   io_intf_conn_impl =
11 *
12 * CATCH cx_edocument.
13 **ENDTRY.
14 INCLUDE /trosei/intf_conn_trigger.
15 endmethod.

```

Change Field BADI

A custom BADI /TROSEI/BADI_EDOC_COCKPIT is provided as part of the TR standard package.

This BADI is used to adjust/modify the customer (AR or FI) e-invoice request which is sent to OEI. This BADI has a changing parameter which is in the request with the implementation class method - "add_custom_field_value".

Changes carried out in this implementation method will overwrite the values of the standard mapping of the source (SAP) to target (ONESOURC E-invoicing) fields.



This BADI implementation is independent of any filter values and is not designed as a multi-use BADI.

The screen below shows an illustration of the BADI implementation -

The image displays two screenshots from the SAP system. The top screenshot is the 'BAdI Builder: Initial Screen for Definitions'. It shows the 'BAdI Name' field populated with '/TROSEI/BADI_EDOC_COCKPIT'. Below this are buttons for 'Display', 'Change', and 'Create'. The bottom screenshot shows the 'Enhancement Spot /TROSEI/ES_EDOC_COCKPIT Display' screen. The 'Enhancement Spot' is set to '/TROSEI/ES_EDOC_COCKPIT' and is 'Active'. The 'BAdI Definition' is '/TROSEI/BADI_EDOC_COCKPIT' with the description 'Enhancement for Edoc_cockpit'. The 'Interface' is '/TROSEI/IF_BADI_EDOC_COCKPIT'. Under 'Usability', 'Multiple Use' is selected. Under 'Instance Creation Mode', 'Creating Instantiation' is selected. The left pane shows a tree view of BAdI Definitions and Implementations.

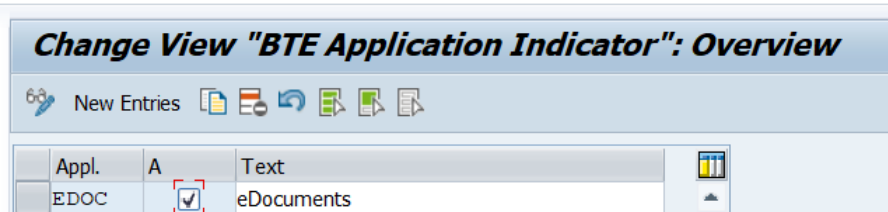
Reviewing BTE Events

Business Transaction Event (BTE) is required to enable the creation of electronic documents using the **eDocument Cockpit** (EDOC_COCKPIT) transaction. You may

already have this pre-installed on your system, this step is to review the configuration for completeness.

Procedure

1. Go to transaction **FIBF**.
2. choose **More > Settings > Identification > SAP Applications**.
3. Ensure the application **EDOC** is checked.



Review also the supported functions for e-documents.

Procedure

1. From transaction FIBF, go to More >Settings > P/S Modules... of an SAP Application.
2. Register the following function modules:

Business Tr. Event	Ctrl	Appl.Indtr	Function Module
00001025		EDOC	EDOC_BTE_00001025
00001030		EDOC	EDOC_BTE_00001030
00001042		EDOC	EDOC_BTE_00001042
00001050		EDOC	EDOC_BTE_00001050

Adding User Menu to a Role

For users to be able to access the setup and configurations for this integration, we delivered an SAP User Menu. You would need to provide users with access to the /TROSEI/GENERAL role.

We have created a transport request containing a custom role encompassing all pertinent transaction codes for TR functionality. Your security team can assign this role to designated users who require access to these configuration items. Typically, we defer to our customers to tailor and allocate the S_TCODE authorization object within the role according to their established security protocols.

Presently, there are no additional authorization objects to differentiate between read-only (display access) and create/change/delete (edit access). The intent here is to limit edit/administrative rights to specific users solely for these transaction codes. Customers can customize their own roles based on their access controls.

Thomson Reuters Onsource E-Invoice	
•	/TROSEI/DOCTYP_SD - SD Document Type
•	/TROSEI/DOCTYP_FI - FI Document Type
•	/TROSEI/RFCDTL - Maintenance View of RFC details
•	/TROSEI/TAXCATEGORY - OEI Tax Category
•	/TROSEI/UNITCODE - OEI Unit Code
•	/TROSEI/CUSTTYPE - OEI Customer Type
•	/TROSEI/PAYMENTMEANS - OEI Payment Means
•	/TROSEI/SCHEMA - OEI Schema ID
•	/TROSEI/TAXSCHMA - OEI Tax Schema

S/4 HANA 2022 Compatibility

Activate Business Function

If you are on S/4HANA 2022 version and above, additionally you are required to activate the document compliance business function CA_EDOC.

Procedure

1. Go to T-code **SFW5** and expand the ENTERPRISE_BUSINESS_FUNCTIONS node and navigate to the item **CA_EDOC**.
2. Select this item, click on the Planned Status checkbox and click on Activate Changes. This will trigger a background process to activate the switch.

▼

Check

Discard Changes

Activate Changes









































Switch Framework Browser

Display Legend

More ▼

Business Function Set:

▼

	Name	Description	Planned Status	Depend...	Docume...	Software Com...
<input type="checkbox"/>	 AUTO_GEN_CL_1	Generic Automotive Innovations	<input type="checkbox"/>			S4CORE
<input type="checkbox"/>	 AUTO_LOC_IN_1	IS-Auto Localization for India and Japan	<input type="checkbox"/>			S4CORE
<input type="checkbox"/>	 AUTO_LOC_JP_1	IS-Auto Localization for Japan	<input type="checkbox"/>			S4CORE
<input type="checkbox"/>	 BC_SRV_STW_01	Enable SAP StreamWork ABAP Integration 1 (Reversible)	<input type="checkbox"/>			SAP_BASIS
<input type="checkbox"/>	 BC_SRV_STW_02	Enable SAP StreamWork ABAP Integration 2 (Reversible)	<input type="checkbox"/>			SAP_BASIS
<input type="checkbox"/>	 BC_SRV_STW_03	Enable Social Media ABAP Integration 3 (Reversible)	<input type="checkbox"/>			SAP_BASIS
<input type="checkbox"/>	 BF_BEH_INS	Business function for Behavioral Insights product (Reversible)	<input type="checkbox"/>			S4CEXT
<input type="checkbox"/>	 BF_TM_LOCL_BR01	TMS - Brazilian Localization Business Function	<input type="checkbox"/>			S4CORE
<input type="checkbox"/>	 BS_PERIOD_1	Period Toolset, Custom Period (Reversible)	<input type="checkbox"/>			S4FND
<input type="checkbox"/>	 BUPA_ILM_BF	ILM-Based Deletion of Business Partner Data	<input type="checkbox"/>			S4FND
<input type="checkbox"/>	 BUSINESS_FN_PPMG	Business Function for Prepayment	<input type="checkbox"/>			S4COREOP
<input type="checkbox"/>	 BW_DPP_GEN_EXT	Data Privacy : Generic Extractor for Notifications (Reversible)	<input type="checkbox"/>			SAP_BW
<input type="checkbox"/>	 CA_CATS_CE	CATS classic for Concurrent Employment	<input type="checkbox"/>			S4CORE
<input type="checkbox"/>	 CA_CATS_CPR	CATS regular: cProjects Details	<input type="checkbox"/>			S4HCMGXX
<input type="checkbox"/>	 CA_CATS_CPR_CORE	CATS classic: cProjects Details	<input type="checkbox"/>			S4CORE
<input type="checkbox"/>	 CA_CIF_INILOAD_01	Enhanced Initial Data Transfer via Core Interface (CIF)	<input type="checkbox"/>			S4CORE
<input type="checkbox"/>	 CA_DTINF_FW	Information Framework Business Function (Reversible)	<input type="checkbox"/>			SAP_ABA
<input checked="" type="checkbox"/>	 CA_EDOC	Document Compliance Business Function (Reversible)	<input checked="" type="checkbox"/>			S4CORE
<input type="checkbox"/>	 CA_FINANCIALS_SOA_SEM	Financials SOA for SEM, EhP6	<input type="checkbox"/>			S4COREOP
<input type="checkbox"/>	 CA_FSBP_MIGRATION_ID	FS-BP Migration of Additional Partner Numbers	<input type="checkbox"/>			SAP_ABA
<input type="checkbox"/>	 CA_FSBP_TAX_C	FS Business Partner Tax Compliance (Reversible)	<input type="checkbox"/>			SAP_ABA
<input type="checkbox"/>	 CA_HAP_CL_1	CA, Evaluations, Appraisals, and Surveys 01	<input type="checkbox"/>			SAP_ABA

Italy Process Toolbar Configuration

For S/4 HANA version 2022 (Component S4CORE, release 107) and onwards, an additional enhancement should be implemented for the method **GET_PROCESS_ACTIONS** of the class **CL_EDOC_SEL_TOOLBAR_UI** (**CL_EDOC_SEL_TOOLBAR_UI-> GET_PROCESS_ACTIONS**).

This enhancement is required to activate the custom Thomson Reuters toolbar and its associated functionalities within the eDocument cockpit of the Thomson Reuters e-Invoicing solution, particularly for countries where SAP has populated data in the EDOPROCFUNCASG table for specific eDocument processes, such as the Italy process ITFATTURA.

A pre-exit enhancement for the method **CL_EDOC_SEL_TOOLBAR_UI-> GET_PROCESS_ACTIONS** should be implemented. Call the include program **/TROSEI/SET_REF_PROCESS** within the pre-exit method, as shown below.

NOTE: If the version of your S/4 HANA system is prior to 2022, it is NOT necessary to implement the mentioned additional enhancements.

Class Builder: Display Class CL_EDOC_SEL_TOOLBAR_UI

Class/Interface: CL_EDOC_SEL_TOOLBAR_UI Implemented / Active

Properties Interfaces Friends Attributes **Methods** Events Types Aliases

Method	Level	Visibility	M...	Description	Pre-Exit	Post-Exit
CONSTRUCTOR	Instance Method	Public				
ADD_BUTTONS_EDOC_INDEPENDENT	Instance Method	Protected		Add buttons that are independent if eDocuments are selected		
ADD_FUNC_GOTO_LOGS_AND_FILE	Instance Method	Protected		Add action to display 'Logs and Last File'		
CREATE_DROPDOWN_MENU	Instance Method	Protected		Create dropdown menu for toolbar control		
DEACTIVATE_ADVANCED_FEATURES	Instance Method	Protected		Deactivate advanced features		
DEACTIVATE_GOTO_LOGS_AND_FILE	Instance Method	Protected		Deactivate action for goto logs and last file		
DEACTIVATE_INCOMING_ACTIONS	Instance Method	Protected		Deactivate actions for incoming automation		
DISPLAY_PROCESS_DOCUMENTATION	Instance Method	Protected		Display Process Documentation		
DISPLAY_PROCESS_TOOLBAR	Instance Method	Protected		Display Process Toolbar		
EXECUTE_ACTION	Instance Method	Protected		Action Handler		
GET_ARCHIVING_ACTIONS	Instance Method	Protected		Get standard actions for archiving		
GET_NO_EDOC_ACTIONS	Instance Method	Protected		Get actions for eDocuments not created yet		
GET_PROCESS_ACTIONS	Instance Method	Protected		Get process related actions		
ON_DROPDOWN_CLICKED	Instance Method	Protected		Handler for dropdown menu clicked (Toolbar control)		
ON_FUNCTION_SELECTED	Instance Method	Protected		Handler for function selected (Toolbar control)		

Enhancement Include: **Z_TROSEI_TOOLBAR** Active

```

17 METHOD IPR_Z_TROSEI_TOOLBAR~GET_PROCESS_ACTIONS.
18 "-----*
19 " Declaration of PRE-method, do not insert any comments here please!
20 "
21 "methods GET_PROCESS_ACTIONS
22 " raising
23 " CX_EDOCUMENT .
24 "-----*
25 include /TROSEI/SET_REF_PROCESS.
26 ENDMETHOD.
27 ENDCCLASS.

```

Setting Up the Connection

To establish connectivity to ONESOURCE E-Invoicing (OEI) system, the following configuration activities need to be set in in SAP S/4HANA:

Create OAUTH Profile



This configuration is transportable via Transport Request

Procedure

1. Go to T-code **SE80**
2. Choose the appropriate package, right-click and choose **Create > Others > OAuth 2.0 Client Profile**
3. Enter name: ZONESOURCE, Type: Default,
Scope: Obtain the scope information for the respective TROEI environments (UAT or PRD) from your Professional Services team

Reference screen shot below

Profile: ZONESOURCE
Type: DEFAULT

Saved

Administration Scopes

SCOPE
<input type="checkbox"/> urn:tr:onesource:auth:api:invoicing
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

4. Save the configuration.

Create OAUTH Configuration



This configuration needs to be done manually for every client.

Procedure

1. Open transaction code **OA2C_CONFIG**
2. Click on Create
3. You will need to input the following information:
 - Service Provider Type: DEFAULT
 - Profile: ZONESOURCE

- Configuration Name: ZOSEI
- Client ID: <Provided by TR during on-boarding>
- Client Secret: <Provided by TR during on-boarding>
- Authorization endpoint: <Provided by TR during on-boarding>
- Token endpoint: <Provided by TR during on-boarding>
- Client Authentication: Basic
- Grant Type: Client Credentials

4. Save. In the end, it should look like the following:

SAP

OAuth 2.0 Clients

Overview

Edit

Save

Create ...

Delete

SAML 2.0 Disabled

SAML 2.0 Settings

SAML 2.0 Settings

Service Provider Type	Profile	Configuration Name	OAuth 2.0 Client ID
DEFAULT	ZONESOURCE	ZOSEI	euCuyCGcZtzj3y3ipwQOYGOGzkaOYpN

Details

Administration

Scopes

Enhancement Settings

Created By

FABIOB

Created On

05.09.2023

Created At

12:23:21

Changed By

FABIOB

Changed On

05.09.2023

Changed At

12:23:21

General Settings

Service Provider Type:

DEFAULT

Profile:

ZONESOURCE

Configuration Name:

ZOSEI

OAuth 2.0 Client ID:

euCuyCGcZtzj3y3ipwQOYGOGzkaOYpN

OAuth 2.0 Client ID (Internal):

0E8978F1268B1EDE92FCD768AC660351

Client Secret:

Authorization Server Settings

Authorization Endpoint:

https://api-cloud-dev2.ONESOURCETAX.COM/oauth2/v1/token

Token Endpoint:

https://api-cloud-dev2.ONESOURCETAX.COM/oauth2/v1/token

Revocation Endpoint:

https://

Access Settings

Client Authentication:

Basic

Form Fields

Client Certificate

Resource Access Authentication:

Header Field

Form Field

Selected Grant Type:

Current user related

Resource Owner Password Credentials

Client Credentials

Grant Type (Current User related):

Authorization Code

SAML 2.0 Bearer Assertion

Redirection URI Server:

https://gn4hanaapp.int.thomsonreuters.com:8553

Redirection URI:

https://gn4hanaapp.int.thomsonreuters.com:8553/sap/public/bc/sec/oauth2/clientdirect?sa...

Target Endpoint:

/sap/bc/webdynpro/sap/OA2C_GRANT_APP

SAML 2.0 Audience:

SAML 2.0 Recipient:

https://api-cloud-dev2.ONESOURCETAX.COM/oauth2/v1/token

User E-Mail for SAML 2.0 Name ID:

000

Resource Owner Password Credentials:

Request Tokens ...

Refresh Token Validity:

-1

[in days]

Clock Skew Tolerance:

5

[in seconds]

Proxy Host:

Proxy Port:

Proxy User:

Proxy Password:

SSL Client PSE:

mTLS Token Endpoint Alias:

https://

mTLS granttype = client_x509 (SAP XSUAA):

Establish a HTTP connection using a destination (SM59)

Procedure

Go to transaction **SM59** and create RFC connections with type “G” (HTTP Connections to Ext Server) for each ONESOURCE E-Invoicing (OEI) endpoints as shown below:


1. EINVOICE_OSEI_SEND

- a. Host: Obtain the Host URL for the respective TROEI environments (UAT or PRD) from your Professional Services team
- b. Port: 443
- c. Path Prefix: Obtain the prefix for the respective TROEI environments (UAT or PRD) from your Professional Services team
- d. Oauth Settings
 - i. Profiles: ZONESOURCE
 - ii. Configuration: ZOSEI

Reference screen shot below:

The screenshot displays the SAP SM59 transaction configuration for the RFC Destination **EINVOICE_OSEI_SEND**. The connection type is set to **G** (HTTP Connection to External Server). The description field is populated with **EINVOICE_OSEI_SEND**. Below the description, there are three additional description fields (Description 2 and Description 3) which are currently empty. The configuration is divided into four tabs: **Administration**, **Technical Settings**, **Logon & Security**, and **Special Options**. The **Technical Settings** tab is active, showing the **Target System Settings** section. In this section, the **Host** is configured as **api-uat.onesourcetax.com**, the **Port** is **443**, and the **Path Prefix** is **/einvoiceing/documents/eap/**. Below this, the **HTTP Proxy Options** section is visible, with a **Global Configuration** button. The proxy settings include **Proxy Host**, **Proxy Service**, **Proxy User**, and **Proxy PW Status** (set to **is initial**).

RFC Destination	EINVOICE_OSEI_SEND		
Connection Type	G	HTTP Connection to External Server	
Description			
Description 1	EINVOICE_OSEI_SEND		
Description 2			
Description 3			
Administration Technical Settings Logon & Security Special Options			
Target System Settings			
Host	api-uat.onesourcetax.com	Port	443
Path Prefix	/einvoiceing/documents/eap/		
HTTP Proxy Options			
Global Configuration			
Proxy Host			
Proxy Service			
Proxy User			
Proxy PW Status	is initial		

Connection Test 

RFC Destination

Connection Type ☒ HTTP Connection to External Server Description

Description

Description 1

Description 2

Description 3

Administration Technical Settings **Logon & Security** Special Options

Logon Procedure

Logon with User

☒ Do not use a user

☐ Basic Authentication

User

PW Status

Logon with Ticket

☒ Do not send logon ticket

☐ Send ticket without reference to target system

☐ Send assertion ticket for dedicated target system

System ID Client

Logon with MQTT/AMQP

User

PW Status

Security Options

Status of Secure Protocol

SSL ☐ Inactive ☒ Active

SSL Certificate Cert. List

☐ Do not use certificate for logon

Authorization for Destination

OAUTH Settings

Profiles

Configuration

2. EINVOICE_OSEI_CANC

- Host: Obtain the Host URL for the respective TROEI environments (UAT or PRD) from your Professional Services team
- Port: 443
- Path Prefix: Obtain the scope information for the respective TROEI environments (UAT or PRD) from your Professional Services team

Reference screen shot below:

RFC Destination	<input type="text" value="EINVOICE_OSEI_CANC"/>		
Connection Type	<input type="radio" value="G"/>	HTTP Connection to External Server	Description
Description			
Description 1	<input type="text" value="EINVOICE_OSEI_CANC"/>		
Description 2	<input type="text"/>		
Description 3	<input type="text"/>		
<div>Administration Technical Settings Logon & Security Special Options</div>			
Target System Settings			
Host	<input type="text" value="api-uat.onesourcetax.com"/>	Port	<input type="text" value="443"/>
Path Prefix	<input type="text" value="/einoicing/documents/eap/"/>		
HTTP Proxy Options			
<div>Global Configuration</div>			
Proxy Host	<input type="text"/>		
Proxy Service	<input type="text"/>		
Proxy User	<input type="text"/>		
Proxy PW Status	<input type="text" value="is initial"/>		

RFC Destination	EINVOICE_OSEI_CANC	
Connection Type	G	HTTP Connection to External Server
Description		
Description 1	EINVOICE_OSEI_CANC	
Description 2		
Description 3		

Administration	Technical Settings	Logon & Security	Special Options
----------------	--------------------	-----------------------------	-----------------

Logon Procedure

Logon with User

☒ Do not use a user

OAuth Settings

☐ Basic Authentication

User

PW Status

Logon with Ticket

☒ Do not send logon ticket
 ☐ Send ticket without reference to target system
 ☐ Send assertion ticket for dedicated target system

System ID Client

Logon with MQTT/AMQP

User

PW Status

Security Options

Status of Secure Protocol

SSL ☐ Inactive ☒ Active

SSL Certificate Cert. List

☐ Do not use certificate for logon

Authorization for Destination

3. EINVOICE_OSEI_STATUS

- Host: Obtain the Host URL for the respective TROEI environments (UAT or PRD) from your Professional Services team
- Port: 443
- Path Prefix: Obtain the scope information for the respective TROEI environments (UAT or PRD) from your Professional Services team

RFC Destination	EInvoice_OSEI_STATUS_RFC		
Connection Type	G	HTTP Connection to External Server	Description
Description			
Description 1	Check Status RFC OEI		
Description 2			
Description 3			

Administration	Technical Settings	Logon & Security	Special Options
----------------	--------------------	------------------	-----------------

Target System Settings			
Host	api-uat.onesourcetax.com	Port	443
Path Prefix	/einvoiceing/documents/eap/		

HTTP Proxy Options			
Global Configuration			
Proxy Host			
Proxy Service			
Proxy User			
Proxy PW Status	is initial		

RFC Destination	EInvoice_OSEI_STATUS_RFC		
Connection Type	G	HTTP Connection to External Server	Description
Description			
Description 1	Check Status RFC OEI		
Description 2			
Description 3			

Administration	Technical Settings	Logon & Security	Special Options
----------------	--------------------	------------------	-----------------

Logon Procedure			
Logon with User			
<input checked="" type="radio"/> Do not use a user		OAuth Settings	
<input type="radio"/> Basic Authentication			
User			
PW Status	is initial		
Logon with Ticket			
<input checked="" type="radio"/> Do not send logon ticket			
<input type="radio"/> Send ticket without reference to target system			
<input type="radio"/> Send assertion ticket for dedicated target system			
System ID		Client	
Logon with MQTT/AMQP			
User			
PW Status	is initial		

Security Options			
Status of Secure Protocol			
SSL	<input type="radio"/> Inactive <input checked="" type="radio"/> Active		
SSL Certificate	ANONYM SSL Client (Anonymous) Cert. List		
<input type="checkbox"/> Do not use certificate for logon			
Authorization for Destination			

4. EINVOICE_AP_BUSINESS_RESPONSE

- a. Host: Obtain the Host URL for the respective TROEI environments (UAT or PRD) from your Professional Services team
- b. Port: 443
- c. Path Prefix: Obtain the prefix for the respective TROEI environments (UAT or PRD) from your Professional Services team
- d. Oauth Settings
 - i. Profiles: ZONESOURCE
 - ii. Configuration: ZOSEI

The screenshot shows the SAP configuration interface for an RFC Destination named 'EINVOICE_AP_BUSINESS_RESPONSE'. The 'Connection Type' is set to 'HTTP Connection to External Server'. Under 'Description', 'Description 1' is 'Send eInvoice AP Business Response'. The 'Target System Settings' section shows 'Host' as 'api-uat.onesourcetax.com', 'Port' as '443', and 'Path Prefix' as '/e invoicing/documents/eap/'. The 'HTTP Proxy Options' section is currently empty.

RFC Destination: EINVOICE_AP_BUSINESS_RESPONSE

Connection Type: G HTTP Connection to External Server

Description

Description 1: Send eInvoice AP Business Response

Description 2:

Description 3:

Administration Technical Settings Logon & Security Special Options

Target System Settings

Host: api-uat.onesourcetax.com Port: 443

Path Prefix: /e invoicing/documents/eap/

HTTP Proxy Options

Global Configuration

Proxy Host:

Proxy Service:

Maintain the required entries by calling transaction **/TROSEI/RFCDTL** with the RFC destinations created above. For each API Type maintain the RFC Destinations you have created in the steps above.

The screenshot shows the 'Maintenance View of RFC details' in SAP. It displays a table with columns for API Type, RFC Destination, Type, Sort Order, and Active status. Four entries are listed, all with 'HTTP Connection to External Server' as the Type and 'Active' status.

API Type	RFC Destination	Type	Sort Order	Active
<input type="checkbox"/> Business Response API	✓ EINVOICE_AP_BUSINESS_RESPONSE	HTTP Connection to External Server	0000000001	X
<input type="checkbox"/> Cancel API	✓ EINVOICE_OSEI_CANC	HTTP Connection to External Server	0000000002	X
<input type="checkbox"/> Check Status API	✓ EInvoice_OSEI_STATUS_RFC	HTTP Connection to External Server	0000000001	X
<input type="checkbox"/> Submit API	✓ EINVOICE_OSEI_SEND	HTTP Connection to External Server	0000000004	X

Receiving Supplier electronic invoices

This section lists out the steps required to connect your SAP S/4 HANA system to ONESOURCE E-Invoice (OEI) for receiving and processing of supplier electronic invoices.

ODATA for Supplier Electronic Invoices

As part of the transport package an API(OData) will be available in the SAP S4 system.

OData service name is - **/TROSEI/EINV_PROJ_SRV.**

Supported authentication method - **Basic Authentication.**

After importing the transport objects into your SAP S/4HANA system, perform the following steps:

- 1) Register and activate the OData service mentioned above, using transaction **/IWFND/MAINT_SERVICE.**
- 2) Using the same transaction, add any missing System Alias.

The screenshot displays the 'Activate and Maintain Services' transaction in SAP. The top section, 'Service Catalog', lists various services with columns for Type, Technical Service Name, Vers, Service Description, External Service Name, Namespace, OAuth, Soft State, Status, and Processing. The service '/TROSEI/EINV_PROJ_SRV' is highlighted in yellow. The bottom section, 'System Aliases', shows a table with columns for Status, ICF Node, Session Time-out, Soft State, Description, SAP System Alias, Local System Alias, Default System, and Metadata. The 'LOCAL' alias is highlighted in yellow.

Type	Technical Service Name	Vers	Service Description	External Service Name	Namespace	OAuth	Soft State	Status	Processing
	/IWFND/SG_MED_CATALOG	1	Catalog Service	CATALOGSERVICE	/IWFND/	✓		Not Supported	Routing-bi
	/IWFND/SG_MED_CATALOG	2	Catalog Service Version 2	CATALOGSERVICE	/IWFND/	✓		Not Supported	Routing-bi
BEP	/BDTS/COMMAND_SRV	1	/BDTS/CL_ODATA_CHD_DPC_EXT	COMMAND_SRV	/BDTS/				Routing-bi
BEP	ZEAPY_ACCESS_MENU	1	Easy Access Menu service	EASY_ACCESS_MENU	/UI2/				Routing-bi
BEP	ZEDOC_DCC_SRV	1	Document Compliance Cockpit Service	EDOC_DCC_SRV	/UI2/			Not Supported	Routing-bi
BEP	/TROSEI/EINV_PROJ_SRV	1	Invoicing AP	EINV_PROJ_SRV	/TROSEI/			Not Supported	Routing-bi
BEP	ZESH_SEARCH_SRV	1	ESH Search	ESH_SEARCH_SRV					Co-deploy
BEP	ZFCLM_BAM_ACCOUNTWID_SRV	1	Manage Bank Account with Draft	FCLM_BAM_ACCOUNTWID_SRV				Not Supported	Routing-bi
BEP	/UI2/FDM_PAGE_REPOSITORY_CUST_SRV	1	Fiori Data Model: Page Repository Customizing Service	FDM_PAGE_REPOSITORY_CUST_SRV	/UI2/			Not Supported	Co-deploy
BEP	/UI2/FDM_PAGE_REPOSITORY_SRV	1	Fiori Data Model: Page Repository Service	FDM_PAGE_REPOSITORY_SRV	/UI2/			Not Supported	Co-deploy
BEP	/UI2/FDM_PAGE_RUNTIME_SRV	1	SAP Fiori Data Model: Page Runtime Service	FDM_PAGE_RUNTIME_SRV	/UI2/			Not Supported	Co-deploy
BEP	/UI2/FDM_SPACE_REPOSITORY_CUST_SRV	1	SAP Fiori Data Model: Space Repository Customizing Service	FDM_SPACE_REPOSITORY_CUST_SRV	/UI2/			Not Supported	Co-deploy
BEP	/UI2/FDM_TRANSPORT_SRV	1	SAP Fiori Data Model: Transport Service	FDM_TRANSPORT_SRV	/UI2/			Not Supported	Co-deploy

Status	ICF Node	Session Time-out	Soft State	Description	SAP System Alias	Local System Alias	Default System	Metadata
✓	ODATA	00:00:00		Standard Mode	LOCAL	Local System Alias	✓	

- 3) Create SAP user credentials with all the required authorization to call the service.
- 4) Configure the OData service endpoint and user credentials **within the ONESOURCE E-Invoice application.** Refer to section [Maintaining connectivity settings in ONESOURCE E-Invoice Application](#)

Example of the OData service endpoint:

https://gn4hanaapp.int.thomsonreuters.com:8553/sap/opu/odata/TROSEI/EINV_PROJ_SRV/eInvoiceSet?

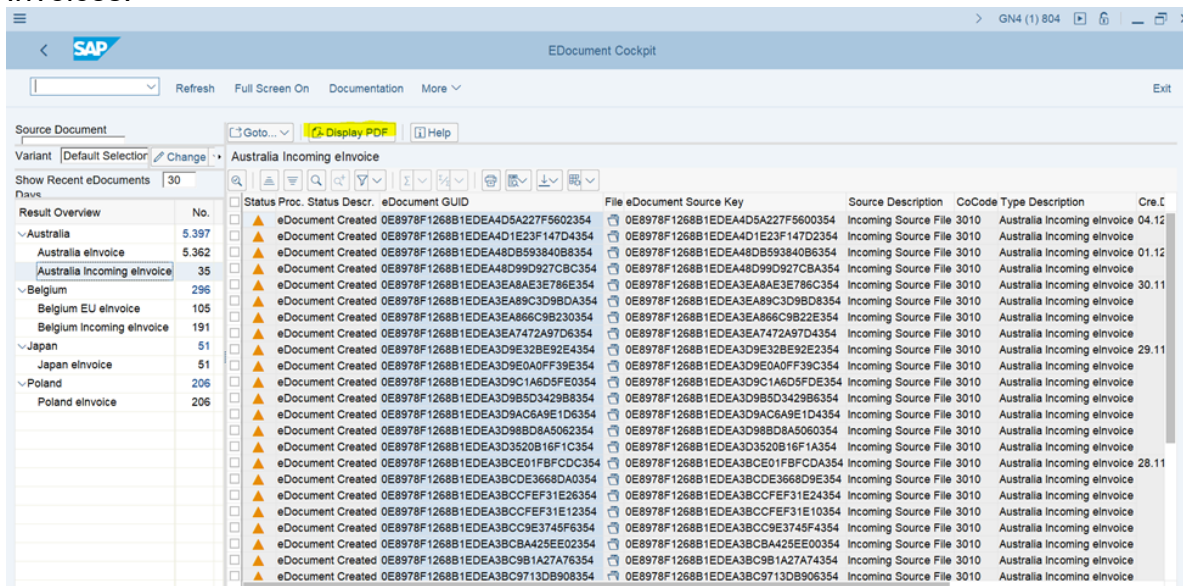
Maintaining Connectivity Settings in ONESOURCE E-Invoice Application

On the ONESOURCE Electronic platform, navigate to **ERP and Other Integrations**. Refer to the ONESOURCE E-Invoicing Configuration Guide under the section “ONESOURCE E-Invoicing ERP Integration”.

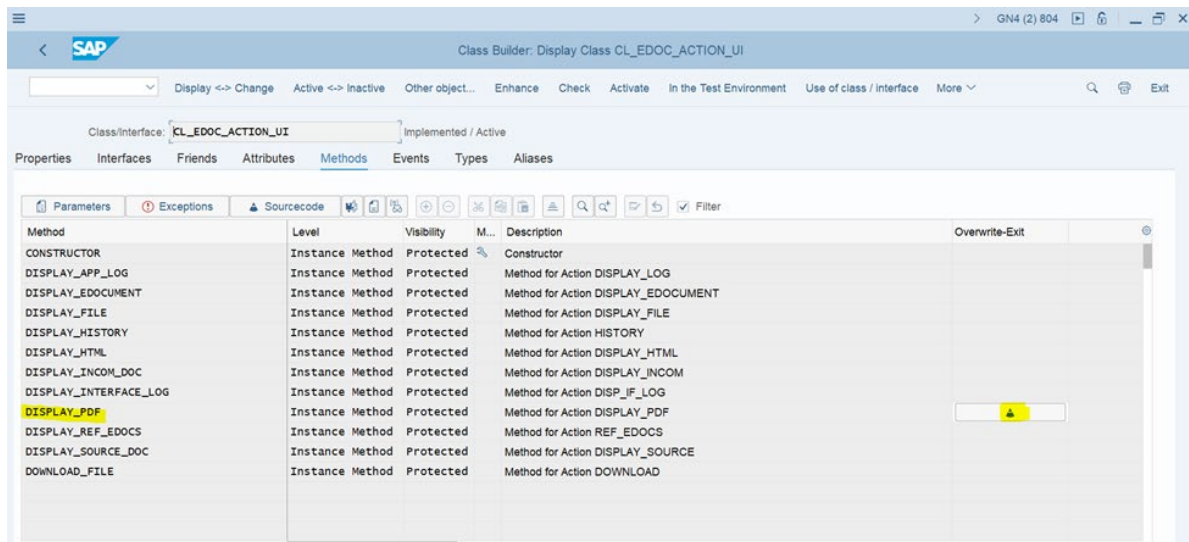
Setting Up Display of PDF

The display PDF option is enabled for electronic incoming invoices via the ‘eDocument Process Toolbar Function Assignment’. This configuration is enabled as part of the transport objects provided by Thomson Reuters.

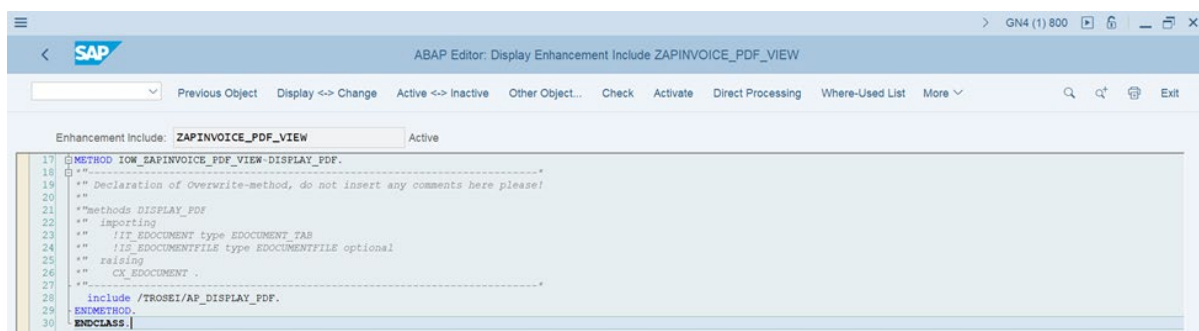
You will be able to see this Display PDF option on E-document Cockpit for Incoming Invoices.



Once the ‘Display PDF’ button is visible in the eDocument cockpit, create an overwrite exit for the method ‘DISPLAY_PDF’ of the class CL_EDOC_ACTION_UI.



In the overwrite exit, use the include program **'/TROSEI/AP_DISPLAY_PDF'**.



Setting Up Display of Customer's custom PDF

The default smart form provided by this solution for PDF preview is **/TROSEI/AP_INVOICE**.

However, based on your requirements, this can be customized to any other smart form by updating the parameter **'/TROSEI_AP_SMARTFORM_NAME'** in the **/TROSEI/GENERIC** table with the desired custom smart form name.

Generic table for all parameters		
TROSEI Cou	TROSEI Parameter Name	TROSEI Parameter Value
<input type="checkbox"/> 000001	/TROSEI/COUNTRY	IT
<input type="checkbox"/> 000001	/TROSEI/TRIGGER_INTERFACE_ID	UBL_GET_RESPONSE_RESPONSE
<input type="checkbox"/> 000001	/TROSEI_AP_SMARTFORM_NAME	/TROSEI/AP_INVOICE

Note: The form interface import parameter of the custom smartform must match that of the default Thomson Reuters provided smartform **/TROSEI/AP_INVOICE**.

SAP Form Builder: Display Form /TROSEI/AP_INVOICE

Form: /TROSEI/AP_INVOICE Active

Description: AP Invoice Print Form

Import Export Tables Exceptions

Parameter Name	Type Assignment	Associated Type	Default Value
ARCHIVE_INDEX	TYPE	TOA_DARA	
ARCHIVE_INDEX_TAB	TYPE	TSFDARA	
ARCHIVE_PARAMETERS	TYPE	ARC_PARAMS	
CONTROL_PARAMETERS	TYPE	SSFCTROP	
MAIL_APPL_OBJ	TYPE	SWOTOBJID	
MAIL_RECIPIENT	TYPE	SWOTOBJID	
MAIL_SENDER	TYPE	SWOTOBJID	
OUTPUT_OPTIONS	TYPE	SSFCOMPOP	
USER_SETTINGS	TYPE	TDBOOL	'X'
GS_INV_HEADER	TYPE	/TROSEI/AP_OSEI_PRINT_HEADER	
GT_INV_ITEM	TYPE	/TROSEI/AP_OSEI_PRINT_ITEM_T	
GS_APDATA	TYPE	/TROSEI/AP_OSEI_STRUCTURE	

E-Invoice Flexible Field Mapper

With this release, we have introduced a Flexible Field Mapping that provides the ability for mapping SAP fields to the target structure of the ONESOURCE E-Invoice Outbound payload without the need to write any custom code.

The Flexible Field Mapper tool allows for standard mappings to be delivered by the Thomson Reuters E-Invoice solution to our customers while providing customers with the ability to customized or augment those mappings specific to their business or technical needs.

NOTE: As part of the implementation process, it's essential to thoroughly review and validate the payload information sent to the ONESOURCE E-Invoicing solution. While we aim to adhere to SAP best practices provided in the standard mapping, it is possible that your custom processes and data sources may necessitate customized mappings.

To access the flexible field mapper, use transaction code **/N/TROSEI/FIELDMAP**. When you first access the transaction, you will navigate to the selection screen, where you will have options to either Create/ Edit or Display the table values.

/TROSEI/FIELDMAP Maintenance			
Filter Criteria			
Standard		to	
Sort Order	<input type="text"/>	to	
Source type	<input type="text"/>	to	
Company Code	<input type="text"/>	to	
Country	<input type="text"/>	to	

The following section lists the definitions of the columns within the Flexible Field Mapper.

Field Mapping									
Std	Sort Order	Source Type	Active	Ctry	CoCd	Source Structure	Source Field	Target Structure	Target Field
<input checked="" type="checkbox"/>	000001	*	<input checked="" type="checkbox"/>	*	*	EDOCUMENTNUMBER	ID	ID	
<input checked="" type="checkbox"/>	000002	FI_INVOICE	<input checked="" type="checkbox"/>	*	*	BRPF	BELNR	DOCUMENTNUMBER	
<input checked="" type="checkbox"/>	000003	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	VBRK	VBELN	DOCUMENTNUMBER	
<input checked="" type="checkbox"/>	000004	FI_INVOICE	<input checked="" type="checkbox"/>	*	*	CALC_ITEMS	DUEDATE	DUEDATE	
<input checked="" type="checkbox"/>	000005	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	CALC_ITEMS	DUEDATE	DUEDATE	
<input checked="" type="checkbox"/>	000006	FI_INVOICE	<input checked="" type="checkbox"/>	*	*	BRPF	BLDAT	ISSUEDATE	
<input checked="" type="checkbox"/>	000007	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	VBRK	FKDAT	ISSUEDATE	
<input checked="" type="checkbox"/>	000008	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	/TROSEI/DOCTYPEF	COMMENTS	EDOCUMENTTYPE	NAME
<input checked="" type="checkbox"/>	000009	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	/TROSEI/DOCTYPEF	TRANS	EDOCUMENTTYPE	VALUE
<input checked="" type="checkbox"/>	000010	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/CUSTOMER_TYPE		CUSTOMERTYPE	
<input checked="" type="checkbox"/>	000011	FI_INVOICE	<input checked="" type="checkbox"/>	*	*	BRPF	WAERS	EDOCUMENTCURRENCYCODE	
<input checked="" type="checkbox"/>	000012	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	VBRK	WAERK	EDOCUMENTCURRENCYCODE	
<input checked="" type="checkbox"/>	000013	*	<input checked="" type="checkbox"/>	*	*	T001_S	STCEG	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYENDPOINTID	VALUE
<input checked="" type="checkbox"/>	000014	*	<input checked="" type="checkbox"/>	*	*	EDOEUPARTY_B	PARTY_CODE_TYPE	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYENDPOINTID	SCHEMEID
<input checked="" type="checkbox"/>	000015	*	<input checked="" type="checkbox"/>	*	*	T0012_S	PAVAL	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYIDENTIFICATION	VALUE
<input checked="" type="checkbox"/>	000016	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_S_1	ID	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYIDENTIFICATION	SCHEMEID
<input checked="" type="checkbox"/>	000017	*	<input checked="" type="checkbox"/>	*	*	T001_S	BUTXT	ACCOUNTINGSUPPLIERPARTY-PARTY	PARTYNAME
<input checked="" type="checkbox"/>	000018	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	HOUSE_NUM1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	POSTBOX
<input checked="" type="checkbox"/>	000019	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	STREET	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	STREETNAME
<input checked="" type="checkbox"/>	000020	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	STR_SUPPL1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	ADDITIONALSTREETNAME
<input checked="" type="checkbox"/>	000021	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	BUILDING	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	BUILDINGNUMBER
<input checked="" type="checkbox"/>	000022	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	CITY1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	CITYNAME
<input checked="" type="checkbox"/>	000023	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	POST_CODE1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	POSTALZONE
<input checked="" type="checkbox"/>	000024	*	<input checked="" type="checkbox"/>	*	*	CONSTANT	LINE1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS-ADDR	LINE
<input checked="" type="checkbox"/>	000025	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	COUNTRY	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	COUNTRYIDENTIFICATIONCODE

Standard Check Box Column

This column is used to identify a mapping line as being from the standard mappings that are provided by Thomson Reuters as pre-delivered content. As a customer, you will not be able to check and delete this field in the configuration tables. The field can be ignored for your purpose.

Notice in the standard version of the table all the lines in this view have the box checked. This is a tool that will make it easier for debugging your system and to allow for updates in the future. Rows marked as standard will be updated with software updates. Rows that are not marked as standard will not be changed with a software update thereby leaving your custom configuration intact.

Sort order Column

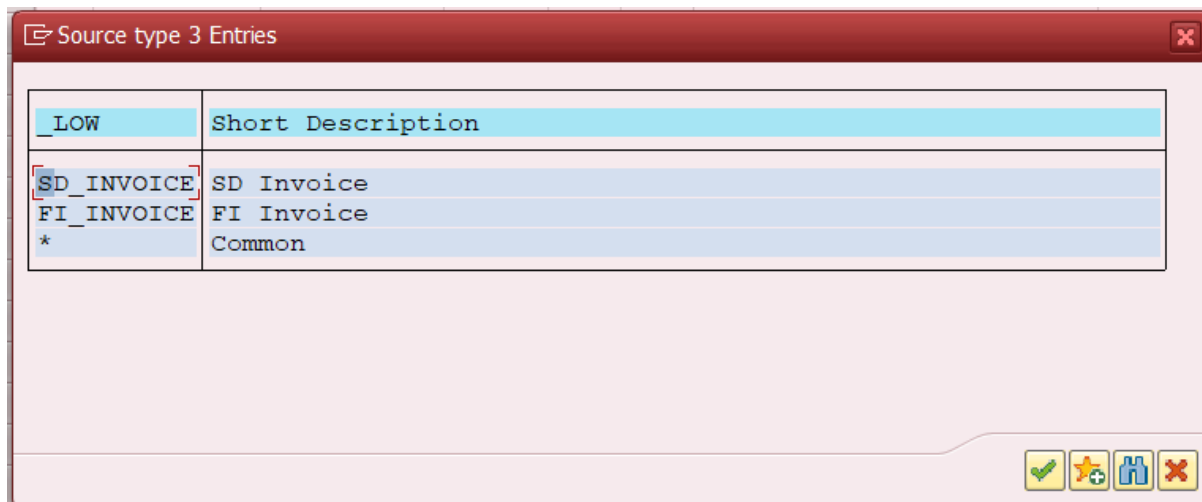
The system processes the line with the highest Sort Order first and then the line with the next highest Sort Order and so on. The Sort Order field for customer updated tables must be greater than or equal to sequence 9000 through 9999.

This way customer configuration is of a higher sort number and will be used to override or augment the standard mappings that we provide as part of the standard setup.

Source Type

This column differentiates data originating from different sources. There are 2 processes currently configured as standard package **SD** and **FI**. Each source type is linked to its own source table.

For example, in the SD process, line-item data is retrieved from the VBRP table, whereas in the FI process, it is obtained from the BSEG table. Additionally, ONESOURCE E-Invoice fields, such as ACCOUNTINGCUSTOMERPARTY and ACCOUNTINGSUPPLIERPARTY, share similar source tables across both processes. To streamline data representation and avoid redundancy, a wildcard (*) can be employed in these instances."







_LOW	Short Description
SD_INVOICE	SD Invoice
FI_INVOICE	FI Invoice
*	Common

Active Flag Column

This checkbox column serves as a toggle to activate or deactivate specific lines within the configuration table. When checked, the configuration is considered active and utilized. Conversely, when unchecked, the configuration line remains in the table for future reference but is not activated. This feature proves invaluable during error debugging within the configuration or when exploring various options to address business requirements.

Country Column

For instance, in the case of Italy, certain fields may be exclusive and unnecessary for other countries. In such instances, the country code 'IT' can be assigned for the specific source and target field.

Display View "Field Mapping": Overview									
   									
Field Mapping									
Std	Sort Order	Source Type	Active	Ctry	CoCd	Source Structure	Source Field	Target Structure	Target Field
<input checked="" type="checkbox"/>	000167	*	<input checked="" type="checkbox"/>	IT	*	DFKKBPTAXNUM_C	TAXNUM	ACCOUNTINGCUSTOMERPARTY-PARTY-PARTYENDPOINTID	VALUE
<input checked="" type="checkbox"/>	000168	SD_INVOICE	<input checked="" type="checkbox"/>	IT	*	DFKKBPTAXNUM_C	TAXNUM	BUYERCUSTOMERPARTY-PARTY-PARTYENDPOINTID	VALUE

Company Code

Similar to the country column, the field mapping can also be limited by company code using this column to designate the applicable company code.

Source Structure and Source Field

This column serves the purpose of referencing tables or structures within the SAP source structure, specifically denoted as /TROSEI/SAP_SOURCE.

The screen shot below illustrates the different types of source structures available for field mappings.

- Custom source structures – e.g CALC_ITEMS (highlighted in red below)
- Standard SAP table/ structure – e.g. BKPF (highlighted in blue below)
- Constant values – (highlighted in orange below)

All source structures/tables (Except “Constants”) are combined in one TROSEI global structure - /TROSEI/SAP SOURCE.

Change View "Field Mapping": Overview									
New Entries									
Field Mapping									
Std	Sort Order	Source Type	Active	Ctry	CoCd	Source Structure	Source Field	Target Structure	Target Field
<input checked="" type="checkbox"/>	000001	*	<input checked="" type="checkbox"/>	*	*	EDOCUMENTNUMBER		ID	
<input checked="" type="checkbox"/>	000002	FI_INVOICE	<input checked="" type="checkbox"/>	*	*	BKPF	BEIHR	DOCUMENTNUMBER	
<input checked="" type="checkbox"/>	000003	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	VBRK	VBELN	DOCUMENTNUMBER	
<input checked="" type="checkbox"/>	000004	FI_INVOICE	<input checked="" type="checkbox"/>	*	*	CALC_ITEMS	DUEDATE	DUEDATE	
<input checked="" type="checkbox"/>	000005	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	CALC_ITEMS	DUEDATE	DUEDATE	
<input checked="" type="checkbox"/>	000006	FI_INVOICE	<input checked="" type="checkbox"/>	*	*	BKPF	BLDAT	ISSUEDATE	
<input checked="" type="checkbox"/>	000007	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	VBRK	FKDAT	ISSUEDATE	
<input checked="" type="checkbox"/>	000008	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	/TROSEI/DOCTYPEF	COMMENTS	EDOCUMENTTYPE	NAME
<input checked="" type="checkbox"/>	000009	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	/TROSEI/DOCTYPEF	TRANS	EDOCUMENTTYPE	VALUE
<input checked="" type="checkbox"/>	000010	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/CUSTOMER_TYPE		CUSTOMERTYPE	
<input checked="" type="checkbox"/>	000011	FI_INVOICE	<input checked="" type="checkbox"/>	*	*	BKPF	WAERS	EDOCUMENTCURRENCYCODE	
<input checked="" type="checkbox"/>	000012	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	VBRK	WAERK	EDOCUMENTCURRENCYCODE	
<input checked="" type="checkbox"/>	000013	*	<input checked="" type="checkbox"/>	*	*	T001_S	STCEG	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYENDPOINTID	VALUE
<input checked="" type="checkbox"/>	000014	*	<input checked="" type="checkbox"/>	*	*	EDOEUPARTY_B	PARTY_CODE_TYPE	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYENDPOINTID	SCHEMEID
<input checked="" type="checkbox"/>	000015	*	<input checked="" type="checkbox"/>	*	*	T0012_S	PAVAL	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYIDENTIFICATION	VALUE
<input checked="" type="checkbox"/>	000016	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_S_1	ID	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYIDENTIFICATION	SCHEMEID
<input checked="" type="checkbox"/>	000017	*	<input checked="" type="checkbox"/>	*	*	T001_S	BUTXT	ACCOUNTINGSUPPLIERPARTY-PARTY	PARTYNAME
<input checked="" type="checkbox"/>	000018	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	HOUSE_NUM1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	POSTBOX
<input checked="" type="checkbox"/>	000019	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	STREET	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	STREETNAME
<input checked="" type="checkbox"/>	000020	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	STR_SUPPL1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	ADDITIONALSTREETNAME
<input checked="" type="checkbox"/>	000021	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	BUILDING	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	BUILDINGNUMBER
<input checked="" type="checkbox"/>	000022	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	CITY1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	CITYNAME
<input checked="" type="checkbox"/>	000023	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	POST_CODE1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	POSTALZONE
<input checked="" type="checkbox"/>	000024	*	<input checked="" type="checkbox"/>	*	*	CONSTANT	LINE1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS-ADDRE.	LINE
<input checked="" type="checkbox"/>	000025	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	COUNTRY	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	COUNTRYIDENTIFICATIONCODE

Target structure

Similar to the source structure, this column is used to denote the structure or table of Targeted mapping fields.

For example, in the highlighted area of the screen shot below, the source structure ADRC_B and field CITY1 is mapped to the target structure ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS, which comprises multiple nested nodes. The entire structure is required to be mapped.

Field Mapping									
Std	Sort Order	Source Type	Active	Ctry	CoCd	Source Structure	Source Field	Target Structure	Target Field
<input checked="" type="checkbox"/>	000013	*	<input checked="" type="checkbox"/>	*	*	T001_S	STCEG	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYENDPOINTID	VALUE
<input checked="" type="checkbox"/>	000014	*	<input checked="" type="checkbox"/>	*	*	EDOEUPARTY_B	PARTY_CODE_TYPE	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYENDPOINTID	SCHEMEID
<input checked="" type="checkbox"/>	000015	*	<input checked="" type="checkbox"/>	*	*	T0012_S	PAVAL	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYIDENTIFICATION	VALUE
<input checked="" type="checkbox"/>	000016	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_S_1	ID	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYIDENTIFICATION	SCHEMEID
<input checked="" type="checkbox"/>	000017	*	<input checked="" type="checkbox"/>	*	*	T001_S	BUTXT	ACCOUNTINGSUPPLIERPARTY-PARTY	PARTYNAME
<input checked="" type="checkbox"/>	000018	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	HOUSE_NUM1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	POSTBOX
<input checked="" type="checkbox"/>	000019	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	STREET	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	STREETNAME
<input checked="" type="checkbox"/>	000020	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	STR_SUPPL1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	ADDITIONALSTREETN.
<input checked="" type="checkbox"/>	000021	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	BUILDING	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	BUILDINGNUMBER
<input checked="" type="checkbox"/>	000022	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	CITY1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	CITYNAME
<input checked="" type="checkbox"/>	000023	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	POST_CODE1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	POSTALZONE
<input checked="" type="checkbox"/>	000024	*	<input checked="" type="checkbox"/>	*	*	CONSTANT	LINE1	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS-ADDRE.	LINE
<input checked="" type="checkbox"/>	000025	*	<input checked="" type="checkbox"/>	*	*	ADRC_B	COUNTRY	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	COUNTRYIDENTIFICA.
<input checked="" type="checkbox"/>	000026	*	<input checked="" type="checkbox"/>	*	*	T005T_B	LANDX50	ACCOUNTINGSUPPLIERPARTY-PARTY-POSTALADDRESS	COUNTRYNAME
<input checked="" type="checkbox"/>	000027	*	<input checked="" type="checkbox"/>	*	*	T001_S	STCEG	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYTAXSCHEMES	COMPANYID
<input checked="" type="checkbox"/>	000028	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_S_2	ID	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYTAXSCHEMES	TAXSCHEMEID
<input checked="" type="checkbox"/>	000029	*	<input checked="" type="checkbox"/>	*	*	T001_S	BUTXT	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYLEGALENTITIES	REGISTRATIONNAME
<input checked="" type="checkbox"/>	000030	*	<input checked="" type="checkbox"/>	*	*	T0012_S	PAVAL	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYLEGALENTITIES	COMPANYID-VALUE
<input checked="" type="checkbox"/>	000031	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_S_3	ID	ACCOUNTINGSUPPLIERPARTY-PARTY-PARTYLEGALENTITIES	COMPANYID-SCHEMEID

Target field

This column maps to the target field. E.g. COUNTRYIDENTIFICATIONCODE will be populated as part of OSEI structure /TROSEI/AR_OSEI_STRUCTURE.

Display View "Field Mapping": Overview

Field Mapping

Std	Sort Order	Source Type	Active	Ctry	CoCd	Source Structure	Source Field	Target Structure	Target Field
<input checked="" type="checkbox"/>	000034	*	<input checked="" type="checkbox"/>	*	*	EDOEUPARTY_C	PARTY_CODE_TYPE	ACCOUNTINGCUSTOMERPARTY-PARTY-PARTYENDPOINTID	SCHEMEID
<input checked="" type="checkbox"/>	000035	*	<input checked="" type="checkbox"/>	*	*	KNB1_C	EIKTO	ACCOUNTINGCUSTOMERPARTY-PARTY-PARTYIDENTIFICATION	VALUE
<input checked="" type="checkbox"/>	000036	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_C_1	ID	ACCOUNTINGCUSTOMERPARTY-PARTY-PARTYIDENTIFICATION	SCHEMEID
<input checked="" type="checkbox"/>	000037	*	<input checked="" type="checkbox"/>	*	*	KNB1_C	NAME1	ACCOUNTINGCUSTOMERPARTY-PARTY	PARTYNAME
<input checked="" type="checkbox"/>	000038	*	<input checked="" type="checkbox"/>	*	*	ADRC_C	HOUSE_NUM1	ACCOUNTINGCUSTOMERPARTY-PARTY-POSTALADDRESS	POSTBOX
<input checked="" type="checkbox"/>	000039	*	<input checked="" type="checkbox"/>	*	*	ADRC_C	STREET	ACCOUNTINGCUSTOMERPARTY-PARTY-POSTALADDRESS	STREETNAME
<input checked="" type="checkbox"/>	000040	*	<input checked="" type="checkbox"/>	*	*	ADRC_C	STR_SUPPL1	ACCOUNTINGCUSTOMERPARTY-PARTY-POSTALADDRESS	ADDITIONALSTREETNAME
<input checked="" type="checkbox"/>	000041	*	<input checked="" type="checkbox"/>	*	*	ADRC_C	BUILDING	ACCOUNTINGCUSTOMERPARTY-PARTY-POSTALADDRESS	BUILDINGNUMBER
<input checked="" type="checkbox"/>	000042	*	<input checked="" type="checkbox"/>	*	*	ADRC_C	CITY1	ACCOUNTINGCUSTOMERPARTY-PARTY-POSTALADDRESS	CITYNAME
<input checked="" type="checkbox"/>	000043	*	<input checked="" type="checkbox"/>	*	*	ADRC_C	POST_CODE1	ACCOUNTINGCUSTOMERPARTY-PARTY-POSTALADDRESS	POSTALZONE
<input checked="" type="checkbox"/>	000044	*	<input checked="" type="checkbox"/>	*	*	CONSTANT	LINE1	ACCOUNTINGCUSTOMERPARTY-PARTY-POSTALADDRESS-ADDRE	LINE
<input checked="" type="checkbox"/>	000045	*	<input checked="" type="checkbox"/>	*	*	ADRC_C	COUNTRY	ACCOUNTINGCUSTOMERPARTY-PARTY-POSTALADDRESS	COUNTRYIDENTIFICATIONCODE
<input checked="" type="checkbox"/>	000046	*	<input checked="" type="checkbox"/>	*	*	KNB1_C	STCEG	ACCOUNTINGCUSTOMERPARTY-PARTY-TAXSCHEMES	COMPANYID
<input checked="" type="checkbox"/>	000047	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_C_2	ID	ACCOUNTINGCUSTOMERPARTY-PARTY-TAXSCHEMES	TAXSCHEMEID
<input checked="" type="checkbox"/>	000048	*	<input checked="" type="checkbox"/>	*	*	KNB1_C	NAME1	ACCOUNTINGCUSTOMERPARTY-PARTY-PARTYLEGALENTITIES	REGISTRATIONNAME
<input checked="" type="checkbox"/>	000049	*	<input checked="" type="checkbox"/>	*	*	T0012_C	PAVAL	ACCOUNTINGCUSTOMERPARTY-PARTY-PARTYLEGALENTITIES	COMPANYID-VALUE
<input checked="" type="checkbox"/>	000050	*	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_C_3	ID	ACCOUNTINGCUSTOMERPARTY-PARTY-PARTYLEGALENTITIES	COMPANYID-SCHEMEID
<input checked="" type="checkbox"/>	000051	*	<input checked="" type="checkbox"/>	*	*	ADRC_C	SMTP_ADDR	ACCOUNTINGCUSTOMERPARTY-PARTY-CONTACT	ELECTRONICMAIL
<input checked="" type="checkbox"/>	000052	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	DFKKBPAXNUM_CS	TAXNUM	BUYERCUSTOMERPARTY-PARTY-PARTYENDPOINTID	VALUE
<input checked="" type="checkbox"/>	000053	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	EDOEUPARTY_B	PARTY_CODE_TYPE	BUYERCUSTOMERPARTY-PARTY-PARTYENDPOINTID	SCHEMEID
<input checked="" type="checkbox"/>	000054	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	KNB1_B	EIKTO	BUYERCUSTOMERPARTY-PARTY-PARTYIDENTIFICATIONID	VALUE
<input checked="" type="checkbox"/>	000055	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	/TROSEI/SCHEMA_B_1	ID	BUYERCUSTOMERPARTY-PARTY-PARTYIDENTIFICATIONID	SCHEMEID
<input checked="" type="checkbox"/>	000056	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	KNB1_B	NAME1	BUYERCUSTOMERPARTY-PARTY	PARTYNAME
<input checked="" type="checkbox"/>	000057	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	ADRC_C	HOUSE_NUM1	BUYERCUSTOMERPARTY-PARTY-POSTALADDRESS	POSTBOX
<input checked="" type="checkbox"/>	000058	SD_INVOICE	<input checked="" type="checkbox"/>	*	*	ADRC_C	STREET	BUYERCUSTOMERPARTY-PARTY-POSTALADDRESS	STREETNAME

Miscellaneous points

- You are not allowed to delete standard checked columns.
- The customer field mapping begins from value 9000 and continues up to 9999 for the Sort Order field. Fields with higher sort order values take precedence during the mapping process
- The wildcard (*) denotes common usage within fields Source type, Country and Company code.
- While maintaining custom fields ensure that the mapping strictly adheres to the structures defined in both the source and target. Custom or standard tables must be present within the designated source structure /TROSEI/SAP_SOURCE or it will not be available for use.

Master Data Configuration

Maintain the following master data for your customers and company codes:

Maintain VAT Registration Number for Company Code

Your company is identified in the Peppol network using the VAT Registration Number; therefore, you must maintain this information for each company code in the company global parameters.

This configuration is also used to identify the respective company code for electronic supplier invoices.

Procedure

- Transaction code **OBY6**. Search for company and double click on it.
- Under Accounting Organization, maintain value for VAT Registration No.
- Save entries.

Example: Company assigned to VAT number as party ID type (For Company 2510: Belgium)

Change View "Company Code Global Data": Details

Additional Data ◀ ▶ 🖨

Company Code	2510	Company Code 2510	Brussel
Country/Reg.	BE	Currency	EUR
		Language Key	EN

Accounting organization

Chart of Accts	YCOA	Alternative COA	YCBE
Company	2510	FM Area	
Credit Control Area	1000	Fiscal Year Variant	K4
External CoCode	<input type="checkbox"/>	Global CoCde	
Company Code Is Productive	<input type="checkbox"/>	VAT Registration No.	BE0999999999
Hide Company Code in F4	<input type="checkbox"/>		

Processing parameters

Maintain VAT Number for Customer

Your customers are identified in the Peppol network using the VAT Number; therefore, you must maintain this information in the customer master (business partner).

Procedure

- Transaction code **BP**. Open master data for customer.
- Under Identification tab, enter the corporate number (Category BE0: Belgium VAT Registration Number) and the Tax number.
- Save entries.

Example: Customer assigned to VAT number as party ID type (category BE0: Belgium VAT Registration Number)

Display Organization : 25100002

Person Organization Group General Data Relationships

Business Partner 25100002 Domestic BE Customer 2 / 1000 Brussel

Display in BP role 000000 Business Partner (G...)

Address Address Overview **Identification** Control Payment Transactions Status Additional

Change History Entry 0 of 0

☐ Natural Person

Tax Numbers

Category	Name	Tax Number Long
BE0	Belgium: VAT Registration Number	BE0999999991

Assign Party ID Types to Business Partner

Companies exchanging electronic documents using the Peppol network must identify themselves. For each business partner, you specify by which ID type they're registered in the Peppol network. For example, some may use VAT, others, Global Number Identification, or any other identification required locally.

Procedure

- Search **EDOEUBUPAV** view using transaction SM30. Choose new entries.
- Create an entry for each customer and party ID type combination.
- Save entries.

Example: Customer assigned to VAT number as party ID type (For Country BE: Belgium)

<i>Display View "eDocument - EU Business Partner": Overview</i>				
eDocument - EU Business Partner				
Partner ID	Type	Party ID Type	Description	E-Mail
25100001	C Customer	BE:VAT	Belgium VAT number	E-Mail Process Inactive
25100002	C Customer	BE:VAT	Belgium VAT number	E-Mail Process Inactive

Assign Party ID Types to Companies

To identify your companies in the Peppol network, for each company code, you specify by which ID type they're registered. Use VAT, others, Global Number Identification, or any other identification required locally.

Procedure

- Search **EDOEUCOMPV** view using SM30. Choose new entries.
- Create an entry for company code and party ID type combination.
- Save entries.

Example: Company assigned to VAT number as party ID type (For Company 2510: Belgium)

<i>Display View "eDocument - EU Company Identification Type": Overview</i>			
eDocument - EU Company Identification Type			
CoCd	Company Name	Party ID Type	Description
2510	Company Code 2510	BE:VAT	Belgium VAT number

Define Bank Accounts for Company Code

To define the bank account for your company code that is displayed in the electronic document. If you have multiple bank accounts, you can maintain the ones relevant for

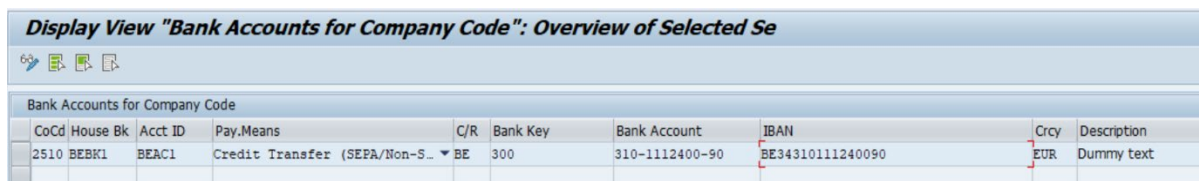
the documents that are submitted using the Peppol network. If you don't maintain any bank account, all bank accounts that exist in your company master data are displayed.

Procedure

- Search **EDOEUBANKACCV** view using SM30. Choose new entries.
- Create an entry for company code, house bank, account ID and payment means.
- Save entries.

Example: Bank Account (For Company code 2510: Belgium)

Display View "Bank Accounts for Company Code": Overview of Selected Se



CoCd	House Bk	Acct ID	Pay.Means	C/R	Bank Key	Bank Account	IBAN	Crcy	Description
2510	BEBK1	BEAC1	Credit Transfer (SEPA/Non-S...	BE	300	310-1112400-90	BE34310111240090	EUR	Dummy text

Configuring SAP S/4HANA

Activate Source Document Types Per Company Code

For a company code, you can define for which type of source document you want electronic documents to be created. You can define multiple entries for one company code.

Procedure

- Search **EDOCOMPANYACTIV** view using **SM30**. Choose new entries.
- Create entry for a combination of company code and source document, select the Active checkbox for each combination.
- Save entries.

Example: To activate accounting and billing document for your company code (BE01: Belgium as example), maintain below entries.

For customer electronic documents, assign source type **FI_INVOICE**, **INV_VERIF** and **SD_INVOICE**. For buyer electronic documents, assign source type **SRC_FILE**.

Display View "eDocument: Activation of Source Types per Company Code":

CoCd	Source Type	A...
BE01	FI_INVOICE	<input checked="" type="checkbox"/>
BE01	INV_VERIF	<input checked="" type="checkbox"/>
BE01	SD_INVOICE	<input checked="" type="checkbox"/>
BE01	SRC_FILE	<input checked="" type="checkbox"/>

Define Interface Type per E-Document Type

For each company code and eDocument type combination, you define the interface type that the system uses for the generation of e-Documents as well as for sending to the ONESOURCE E-Invoice component.

Procedure

- Go to **EDOINTTYPEV** view using SM30. Choose new entries.
- Create an entry for each combination of company code and eDocument type.
- Save entries.

Example: For your company code (BE01: Belgium as example), maintain below entries. Assign Interface Type **Customer-specific** to all company code/ eDocument type combinations.

eDocument: Interface Type				
	CoCd	eDocument ...	Type Description	Interface Type
	BE01	BE_CRE	Belgium Credit Note	Customer-specific ▼
	BE01	BE_INV	Belgium eInvoice	Customer-specific ▼
	BE01	BE_INVIN	Belgium Incoming eInvoice	Customer-specific ▼

Assign E-Document Type to Accounting Document Type

This configuration is maintained to trigger generation of e-Documents when an accounting document is created.

Procedure

- Search **T003EDOCV** view using SM30. Select Country/Region, Choose new entries.
- Create an entry for a Source document type assign eDocument type.
- Save entries.

Example: For country (BE: Belgium as example), maintain below entries.

Display View "eDocument: Assign eDocument Type to Accounting Document"

Country/Region

Type	Description	eDocume...	Type Description	Deviating eDoc. ...	Deviating eDoc. Type Descr.
AB	Accounting Document	BE_CRE	Belgium Credit Note		
DG	Customer Credit Memo	BE_CRE	Belgium Credit Note		
DR	Customer Invoice	BE_INV	Belgium eInvoice		
RV	Billing Doc.Transfer	BE_INV	Belgium eInvoice		

E-Document Process Setup for Country

As a prerequisite, you must assign eDocument Process to Ref process and country.

Procedure

- Call up transaction SM30.
- Enter **EDOPROCESSV** in the Table/View field. Choose Maintain.
- Choose New Entries.
- Enter eDoc process, reference Process and country.
- Create entries for other countries.
- Save your entries

Example

For customer electronic invoices, assign Ref. Proc. **ZTROEI**

For supplier electronic invoices, assign Ref. Proc. **ZTROEIIN**

Display View "eDocument Process": Overview				
eDocument Process				
eDoc. Process	Process Description	Ref. Proc.	Service	Country/Region
BEINV	Belgium EU eInvoice	ZTROEI	<input checked="" type="checkbox"/>	BE
BEINVIN	Belgium Incoming eInvoice	ZTROEIIN	<input checked="" type="checkbox"/>	BE

E-Document Technical Settings per Country

As a prerequisite, you must assign the Country code to class.

Procedure

- Call up transaction SM30.
- Enter **EDOCOUNTRYTCH** in the Table/View field. Choose Maintain.
- Choose New Entries.
- For each country code, assign eDocument class name **/TROSEI/CL_EDOCUMENT_ALL**.
- Select the Proc Mgr checkbox.
- Save your entries

Example

eDocument: Technical Settings per Country		
View: EDOCOUNTRYTCH		
Datum: 16.03.2024		
Ctry I	eDocument Class Name	PMgr
AU	/TROSEI/CL_EDOCUMENT_ALL	X
BE	/TROSEI/CL_EDOCUMENT_ALL	X
IT	/TROSEI/CL_EDOCUMENT_ALL	X
JP	/TROSEI/CL_EDOCUMENT_ALL	X
PL	/TROSEI/CL_EDOCUMENT_ALL	X

Thomson Reuters E-Document Class Settings

This table is used when you assign Document class name /TROSEI/CL_EDOCUMENT_ALL in the prior configuration.

Procedure

- Call up transaction SM30.
- Enter **/TROSEI/EDOCDTL** in the Table/View field. Choose Maintain.
- Choose New Entries.
- For each eDocument type and country code, choose Interface Type "Customer-specific" and enter the relevant eDocument Process.
- Use version **"0001"**
- Save your entries.

Example:

Display View "Edocument details": Overview					
Edocument details					
eDocument ...	C/R	Interface Type	eDoc. Process	Vers	
AU_CRE	AU	Customer-specific	▼ AUINV	0001	
AU_INV	AU	Customer-specific	▼ AUINV	0001	
AU_INVIN	AU	Customer-specific	▼ AUINVIN	0001	
BE_CRE	BE	Customer-specific	▼ BEINV	0001	
BE_INV	BE	Customer-specific	▼ BEINV	0001	
BE_INVIN	BE	Customer-specific	▼ BEINVIN	0001	
DE_CRE	DE	Customer-specific	▼ DEINV	0001	
DE_INV	DE	Customer-specific	▼ DEINV	0001	
DE_INVIN	DE	Customer-specific	▼ DEINVIN	0001	
IT_FATTURA	IT	Customer-specific	▼ ITFATTURA	0001	
IT_INVINC	IT	Customer-specific	▼ ITINVIN	0001	
JP_CRE	JP	Customer-specific	▼ JPINV	0001	
JP_INV	JP	Customer-specific	▼ JPINV	0001	
JP_INVIN	JP	Customer-specific	▼ JPINVIN	0001	
MY_INV	MY	Customer-specific	▼ MYINV	0001	
PL_INV	PL	Customer-specific	▼ PLINV	0001	
PL_INVIN	PL	Customer-specific	▼ PLINVIN	0001	
PL_INV_COR	PL	Customer-specific	▼ PLINV	0001	

Thomson Reuters Status Code Mapping

This table is used to configure Reason Codes, Status Codes for each country and business process. The default entries in this table comes as part of the transport package for specific countries. If the country where you are implementing the e-document solution is listed here, no additional action is necessary, else follow the procedure below.

Procedure

- Call up transaction SM30.
- Enter **/TROSEI/V_PROCES** in the Table/View field. Choose Maintain.
- Choose New Entries.
- For each country code, business process and customer type, enter the relevant Reason Code and Status Code. You may select and copy all the entries from one of the predefined countries with processes closest to the country you are implementing.
- Save your entries.

Display View "Process Status view": Overview



Process Status view

Vers	C/R	Business Process	Reason Cod	Status Cod	Cust Type
0001	AU	AR_INBOUND	Error: Pagero	ERR_PAGERO	Business To Business
0001	AU	AR_INBOUND	In Progress - Pagero	INP_PAGERO	Business To Business
0001	AU	AR_INBOUND	Submitted by Pagero	B2G_PAGERO	Business To Government
0001	BE	AR_INBOUND	Business Rejection	BUR_PAGERO	Business To Government
0001	BE	AR_INBOUND	Error: Pagero	ERR_PAGERO	Business To Business
0001	BE	AR_INBOUND	In Progress - Pagero	INP_PAGERO	Business To Business
0001	BE	AR_INBOUND	Submitted by Pagero	B2G_PAGERO	Business To Government
0001	IT	AR_INBOUND	Business Acceptance	BUA_PAGERO	Business To Government
0001	IT	AR_INBOUND	Business Rejection	BUR_PAGERO	Business To Government
0001	IT	AR_INBOUND	Conditionally Accepted	CCA_TXAUTH	Business To Government
0001	IT	AR_INBOUND	Clearance Accepted	CLA_TXAUTH	Business To Business
0001	IT	AR_INBOUND	Clearance Rejected	CLR_TXAUTH	Business To Business
0001	IT	AR_INBOUND	Deadline Pass	DDP_TXAUTH	Business To Government
0001	IT	AR_INBOUND	Error: Pagero	ERR_PAGERO	Business To Business
0001	IT	AR_INBOUND	In Progress - Pagero	INP_PAGERO	Business To Business
0001	IT	AR_INBOUND	Submitted by Pagero	B2G_PAGERO	Business To Government
0001	JP	AR_INBOUND	Error: Pagero	ERR_PAGERO	Business To Business
0001	JP	AR_INBOUND	In Progress - Pagero	INP_PAGERO	Business To Business
0001	JP	AR_INBOUND	Submitted by Pagero	B2G_PAGERO	Business To Government
0001	PL	AR_INBOUND	Clearance Accepted	CLA_TXAUTH	Business To Government
0001	PL	AR_INBOUND	Clearance Rejected	CLR_TXAUTH	Business To Government
0001	PL	AR_INBOUND	Error: Pagero	ERR_PAGERO	Business To Business
0001	PL	AR_INBOUND	In Progress - Pagero	INP_PAGERO	Business To Business
0001	PL	AR_INBOUND	Submitted by Pagero	B2G_PAGERO	Business To Government
0002	AU	AR_INBOUND	Error: Pagero	ERR_PAGERO	Business To Government
0002	AU	AR_INBOUND	In Progress - Pagero	INP_PAGERO	Business To Government
0002	AU	AR_INBOUND	Submitted by Pagero	B2B_PAGERO	Business To Business

Thomson Reuters Additional Parameter Mapping

This table is used to define additional parameter values to support the Thomson Reuters e-invoice solution. The default entries in this table comes as part of the transport package for specific countries. If the country where you are implementing the e-document solution is listed here and does not require modification, no additional action is necessary, else follow the procedure below.

The table below describes the usage of the different parameter(s):

Parameter ID	Description
001 – Tax Category for VAT Registration Number	Tax Category for Business Partner Tax Registration Number See Maintain VAT Number for Customer

Procedure

- Call up transaction SM30.
- Enter **/TROSEI/COUNTRY** in the Table/View field. Choose Maintain.
- Choose New Entries.
- For each country code, choose parameter the relevant parameter.
- Enter the parameter value against the entry.
- Save your entries.

<i>Display View "Country Specific Parameters for eInvoicing": Overview</i>		
Country Specific Parameters for eInvoicing		
C/R	Parameter	TROSEI Parameter Value
AE	Tax Category for VAT Registration Number	▼ AE0
AG	Tax Category for VAT Registration Number	▼ AG1
AL	Tax Category for VAT Registration Number	▼ AL1
AM	Tax Category for VAT Registration Number	▼ AM1
AT	Tax Category for VAT Registration Number	▼ AT0
AU	Tax Category for VAT Registration Number	▼ AU0
BA	Tax Category for VAT Registration Number	▼ BA1
BD	Tax Category for VAT Registration Number	▼ BD1
BE	Tax Category for VAT Registration Number	▼ BE0
BH	Tax Category for VAT Registration Number	▼ BH0
BS	Tax Category for VAT Registration Number	▼ BS1
BW	Tax Category for VAT Registration Number	▼ BW1
BY	Tax Category for VAT Registration Number	▼ BY1
CH	Tax Category for VAT Registration Number	▼ CH2
CY	Tax Category for VAT Registration Number	▼ CY0
CZ	Tax Category for VAT Registration Number	▼ CZ0
DE	Tax Category for VAT Registration Number	▼ DE0

Custom Tables / Configuration


Define SD Document Types

As a prerequisite, you must define SD Document Types. This is required to map the invoice and credit memos type codes (as per table TVFK) defined in your system with the external values accepted by ONESOURCE E-Invoicing (OEI).

Procedure

- a. Call up transaction **/TROSEI/DOCTYP_SD**
- b. Choose New Entries.
- d. Create entries for allowed billing types.
- f. Save your entries

Example

<i>Display View "SD Doc Types": Overview</i>			
			
SD Doc Types			
	BillT	Transform	Comments
	F2	INV	INVOICE
	G2	CRN	CREDIT NOTE
	L2	DBN	DEBIT NOTE

Define FI Document Types

As a prerequisite, you must define FI Document Types. This is required to map the invoice and credit memos type codes (as per table T003) defined in your system with the external values accepted by ONESOURCE E-Invoicing (OEI).

Procedure

- a. Call up transaction **/TROSEI/DOCTYP_FI**
- b. Choose New Entries.
- d. Create entries for allowed document types.
- f. Save your entries

Example

<i>Display View "FI Doc Type": Overview</i>			
FI Doc Type			
	Type	Transform	Comments
	DG	CRN	CREDIT NOTE
	DR	INV	INVOICE
	DZ	PIN	PREPAYMENT





Define Tax Category for ONESOURCE E-Invoicing (OEI)

As a prerequisite, you must define Tax Category for ONESOURCE E-Invoicing (OEI). This is required to map the country/region specific tax category codes in your system to the ones required by ONESOURCE E-Invoicing (OEI).

Procedure

- a. Call up transaction **/TROSEI/TAXCATEGORY**
- b. Choose New Entries.
- d. Create entries for allowed procedures.
- f. Save your entries

Example

<i>Display View "Tax Category OEI": Overview of Selected Set</i>				
   				
Tax Category OEI				
	Proc.	Tx Description	OEI Tax	OEI Description
	0TXBE	00 Sale BE Exempt art. 44 BE VAT Code-0%	E	
	0TXBE	11 Sale BE goods and serv.-6%	S	
	0TXBE	12 Sale BE goods and serv.-12%	S	
	0TXBE	13 Sale BE goods and serv.-21%	S	

Define Unit of measure mapping to ONESOURCE E-Invoicing (OEI)

As a prerequisite, you must define Unit code for ONESOURCE E-Invoicing (OEI). This mapping is used to convert internal unit of measure code to ONESOURCE E-Invoicing (OEI) network code where your system units and ONESOURCE E-Invoicing (OEI) unit are not same.

Procedure

- a. Call up transaction **/TROSEI/UNITCODE**
- b. Choose New Entries.
- d. Create entries for system units of measure (MU) mapping to ONESOURCE E-Invoicing (OEI).
- f. Save your entries

Example

Display View "Unit code maintenace view": Overview



Unit code maintenace view			
	MU	OEI Unit	Measurement Unit Txt
	%	H93	%
	DR	DR	Drum
	EA	EA	each
	KG	KG	kg
	PC	H87	Piece

To review the list of Unit of Measure used by Pagero refer to [PUF Unit of Measure](#)





Define Customer Type

This setting is to identify your customers as either a "Business to Business" or "Business to Government" party.

Procedure

- Call up transaction **/TROSEI/CUSTTYPE**
- Choose New Entries.
- Create entries for Customers for each company code. Identify your customer as either "Business to Business" or Business to Government".
- Save your entries

Example

<i>Display View "Customer type Business Identifier": Overview</i>			
   			
Customer type Business Identifier			
CoCd	Customer	Cust Type	
2510	25100001	B2B Business To Business	▼
2510	25100002	B2G Business To Government	▼





Define Payment method mapping to ONESOURCE E-Invoicing (OEI)

As a prerequisite, you must define payment methods to ONESOURCE E-Invoicing (OEI). This value mapping to map the payment means defined in your system with the external values accepted by ONESOURCE E-Invoicing (OEI) standard UNCL4461 code list subset BII2.

Procedure

- a. Call up transaction **/TROSEI/PAYMENTMEANS**
- b. Choose New Entries.
- d. Create entries for allowed payment methods.
- f. Save your entries

Example

<i>Display View "Payment method": Overview</i>			
   			
Payment method			
Payment Type	Method	OEI Value	
CASH	M	10	
CHEQUE	C	20	
CUSTOMER COLLECTION - ...	D	1	
TRANSFER	T	30	

To review the list of payment methods used by Pagero refer to [PUF Payment Methods](#)

Reviewing E-Document Process Manager Configuration



The following section describes the process manager configuration that is required to be set up to work with the ONESOURCE™ E-Invoicing Integration for SAP S/4HANA. These configuration steps are covered by the transport object listed in [Importing Transport Objects](#). The configuration items listed here are for your review.



The E-document Process Manager controls the processing and status framework used by this integration. Any modifications to the ONESOURCE enabled process will affect the overall functionality of the solution. It is recommended that access to these configuration objects be restricted to resources having knowledge and expertise in this area.

EDoc. Process “ZTROEI” shown with Process Status to support the customer e-invoice processes and “ZTROEIIN” for buyer e-invoice processes.

e-Document Process Steps

As a prerequisite, you must define the process steps. This configuration is pre-defined and made available in your system through Transports. Do not make changes to this configuration, this is shown for reference only.





Procedure

- a. Call up transaction SM34.
- b. Enter EDOC_PROCMGR in the View Cluster field. Choose Display.

Example : EDoc. Process “ZTROEI” shown with Process Status

Example: EDoc. Process "ZTROEI" for Outbound E-Invoice Processes

Display View "eDocument Process Toolbar Function Assignment":

63    

eDoc. Process	Pos	Func. Type	Function	Parent Funct
ZTROEI		0 Button	▼ SUBMIT	
ZTROEI	15	3 Separator	▼	
ZTROEI	20	0 Button	▼ CHECK_STATUS	
ZTROEI	23	3 Separator	▼	
ZTROEI	25	2 Menu	▼ MENU_DISPLAY	
ZTROEI	27	0 Button	▼ DISPLAY_EDOC	MENU_DISPL
ZTROEI	29	3 Separator	▼	
ZTROEI	40	2 Menu	▼ GOTO	
ZTROEI	42	0 Button	▼ DISPLAY_SOURCE	GOTO
ZTROEI	45	0 Button	▼ HISTORY	GOTO
ZTROEI	46	0 Button	▼ DISPLAY_APP_LOG	GOTO
ZTROEI	50	3 Separator	▼	
ZTROEI	60	2 Menu	▼ MORE	
ZTROEI	62	0 Button	▼ CANCEL	MORE
ZTROEI	65	3 Separator	▼	MORE
ZTROEI	67	0 Button	▼ DELETE	MORE
ZTROEI	68	3 Separator	▼	MORE
ZTROEI	69	0 Button	▼ ZTROEI_CANCEL	MORE

Example: EDoc. Process "ZTROEIIN" for Inbound E-Invoice Processes

Display View "eDocument Process Toolbar Function Assignment": Overview



eDocument Process Toolbar Function Assignment					
eDoc. Process	Pos	Func. Type	Function	Parent Function	
ZTROEIIN	20	Menu	▼ GOTO		
ZTROEIIN	21	Menu	▼ ZTROEI_ACK		
ZTROEIIN	22	Button	▼ DISPLAY_SOURCE	GOTO	
ZTROEIIN	25	Button	▼ HISTORY	GOTO	
ZTROEIIN	30	Separator	▼		
ZTROEIIN	71	Button	▼ DISPLAY_PDF		
ZTROEIIN	72	Button	▼ ACCEPT	ZTROEI_ACK	
ZTROEIIN	73	Button	▼ REJECT	ZTROEI_ACK	

e-Document Function Codes for the Process Toolbar

As a prerequisite, you must define the function codes for the process Toolbar. This configuration is pre-defined and made available in your system through Transports. Do not make changes to this configuration, this is shown for reference only.

Procedure

- Search **EDOFUNCTIONV** view using SM30.
- Click Display

Example:

Display View "eDocuments: Function Codes for the Process Toolbar": Overview							
eDocuments: Function Codes for the Process Toolbar							
Func. Type	Function	eDoc.Action	ID	Icon name	Text	Tooltip	
Button	ACCEPT	ACCEPT		ICON_ALLOW	Accept	Accept eDocument	
Button	ACCEPT_NFE	ACCPY_NFE		ICON_ALLOW	Accept NF-e	Accept NF-e	
Button	ALLOW_CANCEL	ALLOW_CANCEL		ICON_STORNO	Allow Cancellation	Allow Cancellation	
Button	CANCEL	CANCEL		ICON_STORNO	Cancel	Cancel eDocument	
Button	CHANGE_STATUS	CHANGE_STATUS		ICON_CHANGE_TEXT	Change Status Manually	Change Status Manually	
Button	CHECK	CHECK		ICON_CHECK	Check	Check eDocument	
Button	CHECK_GR_QTY	CHECK_GR_QTY		ICON_DELIVERY	Check Quantity	Check Quantity	
Button	CHECK_STATUS	CHECK_STATUS		ICON_STATUS_OVERVIEW	Check Status	Check Status	
Button	COMPLETE_MANUAL	COMPLETE_MANUAL		ICON_COMPLETE	Complete Manually	Complete Manually	
Button	CONFIRM_CANCEL	CONFIRM_CANCEL		ICON_SET_STATE	Confirm Source Doc. Cancelled	Confirm Source Doc. Cancelled	
Button	CONFIRM_GR	CONFIRM_GR		ICON_OKAY	Goods/Service Received	Confirm Goods/Service Receipt	
Button	CONF_INV	CONF_INV		ICON_SET_STATE	Confirm	Confirm	
Button	CONF_SENT_CUST	CONF_SENT_CUST		ICON_SET_STATE	Confirm Sent to Customer	Confirm Sent to Customer	
Button	CONTINUE	CONTINUE		ICON_SYSTEM_REDO	Continue	Continue Process	
Button	CREATE	CREATE		ICON_CREATE	Create	Create eDocument	
Button	DELETE	DELETE		ICON_DELETE	Delete	Delete eDocument	
Button	DISPLAY_APP_LOG	DISPLAY_APP_LOG		ICON_ERROR_PROTOCOL	Application Log	Application Log	
Button	DISPLAY_DACTE	DISPLAY_DACTE		ICON_PDF	Display DACTE	Display DACTE	
Button	DISPLAY_DANFE	DISPLAY_DANFE		ICON_PDF	Display DANFE	Display DANFE	
Button	DISPLAY_EDOC	DISPLAY_EDOC		ICON_DISPLAY_TEXT	Display	Display/Preview XML	
Button	DISPLAY_HTML	DISPLAY_HTML		ICON_HTML	Display HTML	Display HTML	
Button	DISPLAY_INCOM	DISPLAY_INCOM		ICON_TE_RECEIPTS	Target Document	Target Document	

e-Document Action Step

As a prerequisite, you must define the Action Step. This configuration is pre-defined and made available in your system through Transports. Do not make changes to this configuration, this is shown for reference only.

Procedure

- Search **EDOACTIONSTEPV** view using SM30.
- Click Display

Example: EDoc. Process "ZTROEI" shown with Action Step.

Display View "eDocument Action Step": Overview



eDocument Action Step							
eDoc. Pro...	eDoc.Action	Action Variant	Pr...	SequenceNo	Process St...	Proc.Step Variant	Incl.
ZTROEI	CANCEL		1	10	CANCEL		<input type="checkbox"/>
ZTROEI	CHECK_STATUS		1	10	CHECK_STAT		<input type="checkbox"/>
ZTROEI	CREATE		1	10	CREATE		<input type="checkbox"/>
ZTROEI	CREATE	HOOK	1	10	CREATE	HOOK	<input type="checkbox"/>
ZTROEI	DELETE		1	10	DELETE		<input type="checkbox"/>
ZTROEI	RESUBMIT		1	10	RESTART		<input type="checkbox"/>
ZTROEI	RESUBMIT		1	20	REQ_SEND		<input type="checkbox"/>
ZTROEI	RESUBMIT		1	30	TRIGG_SEND		<input type="checkbox"/>
ZTROEI	SUBMIT		1	10	REQ_SEND		<input type="checkbox"/>
ZTROEI	SUBMIT		1	20	TRIGG_SEND		<input type="checkbox"/>
ZTROEI	ZTROEI_CANCEL		1	10	TROEI_CANC		<input type="checkbox"/>

e-Document Process Step Determination

As a prerequisite, you must define the process step determination. This configuration is pre-defined and made available in your system through Transports. Do not make changes to this configuration, this is shown for reference only.

Procedure

- Search **EDOPROCSTEPDETV** view using SM30.
- Click Display

Example: eDoc. Process "ZTROEI" shown with process Step.

Display View "Process Step determ.: interface shall execute this step"							
Process Step determ.: interface shall execute this step							
eDoc. Process	Vers	Interface ID	eDoc Type	Source Type	Process Step	Direction	Interface Description
ZTROEI	1	UBL_GET_RESPONSE_RE...	AU_CRE		GET_MDN_R	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	UBL_GET_RESPONSE_RE...	AU_INV		GET_MDN_R	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	UBL_GET_RESPONSE_RE...	BE_CRE		GET_MDN_R	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	UBL_GET_RESPONSE_RE...	BE_INV		GET_MDN_R	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	UBL_GET_RESPONSE_RE...	JP_CRE		GET_MDN_R	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	UBL_GET_RESPONSE_RE...	JP_INV		GET_MDN_R	I Inbound	▼ UBL Credit Note Transmission

e-Document Process Step Interface Determination

As a prerequisite, you must define the process step interface determination. This configuration is pre-defined and made available in your system through Transports. Do not make changes to this configuration, this is shown for reference only.

Procedure

- Search **EDOPROCSPINTDETV** view using SM30.
- Click Display

Example: EDoc. Process "ZTROEI" shown with process Step Interface.

Display View "Process Step Interface determination": Overview								
Process Step Interface determination								
eDoc. Process	Vers	Process Step	eDoc Type	Source Type	Proc.Step ...	Interface ID	Direction	Interface Description
ZTROEI	1	GET_MDN_R	AU_CRE			UBL_GET_RESPONSE_RESPONSE	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	GET_MDN_R	AU_INV			UBL_GET_RESPONSE_RESPONSE	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	GET_MDN_R	BE_CRE			UBL_GET_RESPONSE_RESPONSE	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	GET_MDN_R	BE_INV			UBL_GET_RESPONSE_RESPONSE	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	GET_MDN_R	JP_CRE			UBL_GET_RESPONSE_RESPONSE	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	GET_MDN_R	JP_INV			UBL_GET_RESPONSE_RESPONSE	I Inbound	▼ UBL Credit Note Transmission
ZTROEI	1	REQ_SEND	AU_CRE			UBL_CREDIT_NOTE_TRANSM	O Outbound	▼ UBL Credit Note Transmission
ZTROEI	1	REQ_SEND	AU_INV			UBL_INVOICE_TRANSM	O Outbound	▼ UBL Invoice Transmission
ZTROEI	1	REQ_SEND	BE_CRE			UBL_CREDIT_NOTE_TRANSM	O Outbound	▼ UBL Credit Note Transmission
ZTROEI	1	REQ_SEND	BE_INV			UBL_INVOICE_TRANSM	O Outbound	▼ UBL Invoice Transmission
ZTROEI	1	REQ_SEND	JP_CRE			UBL_CREDIT_NOTE_TRANSM	O Outbound	▼ UBL Credit Note Transmission
ZTROEI	1	REQ_SEND	JP_INV			UBL_INVOICE_TRANSM	O Outbound	▼ UBL Invoice Transmission

Define ONESOURCE E-Invoicing (OEI) Schema

As a prerequisite, you must define ONESOURCE E-Invoicing (OEI) Schema. This configuration is pre-defined and made available in your system through Transports. Do not make changes to this configuration, this is shown for reference only.

Procedure

- a. Call up transaction **/TROSEI/SCHEMA**
- b. Display the entries

Example

Display View "OEI Schema": Overview		
OEI Schema		
C/R	Schema ID	OEI ID
BE	ACCOUNTINGCUSTOMERPARTY-PARTYIDENTIFICATIONID-SCHEMEID	0088
BE	ACCOUNTINGCUSTOMERPARTY-PARTYLEGALENTITIES-SCHEMEID	0088
BE	ACCOUNTINGCUSTOMERPARTY-PARTYTAXSCHEMES-TAXSCHEMEID	VAT
BE	ACCOUNTINGSUPPLIERPARTY-PARTYIDENTIFICATIONID-SCHEMEID	0088
BE	ACCOUNTINGSUPPLIERPARTY-PARTYLEGALENTITIES-SCHEMEID	0088
BE	ACCOUNTINGSUPPLIERPARTY-PARTYTAXSCHEMES-TAXSCHEMEID	VAT
BE	BUYERCUSTOMERPARTY-PARTYIDENTIFICATIONID-SCHEMEID	0088
BE	BUYERCUSTOMERPARTY-PARTYLEGALENTITIES-SCHEMEID	0088
BE	BUYERCUSTOMERPARTY-PARTYTAXSCHEMES-TAXSCHEMEID	VAT
BE	DELIVERIES-DELIVERYLOCATION-ID-SCHEMEID	0088
BE	DOCUMENTLINES-ITEM-CLASSIFIEDTAXCATEGORIES-TAXSCHEMEID	VAT
BE	DOCUMENTLINES-ITEM-STANDARDITEMIDENTIFICATION-SCHEMEID	0088
BE	DOCUMENTLINES-TAXTOTALS-TAXSUBTOTALS-TAXSCHEMEID	VAT
BE	TAXTOTALS-TAXSUBTOTALS-TAXCATEGORIES-TAXSCHEMEID	VAT

Define ONESOURCE E-Invoicing (OEI) Tax Schema

As a prerequisite, you must define ONESOURCE E-Invoicing (OEI) Tax Schema. This configuration is pre-defined and made available in your system through Transports. Do not make changes to this configuration, this is shown for reference only.

Procedure

- Call up transaction **/TROSEI/TAXSCHMA**
- Display Entries

Example

<i>Display View "OEI Tax Schema": Overview of Selected Set</i>	
OEI Tax Schema	
OEI ID	Description
0088	BELGIUM
VAT	VALUE ADDED TAX.








To review the list of Tax Schema used by Pagero refer to [PUF Tax Schema](#)

Statuses and Error Handling

This section lists all the possible statuses and required error handling steps to be taken to address the errors for Accounts Receivable e-invoice processing.

ONESOURCE E-invoicing processes and statuses

Action	Initial Status	Possible Status (any of the below)
Submit	Created	<div>Delivered to OEI Delivered to OEI</div> <div>OEI Error: Refer File Column OEI Error: Refer File Column</div>
Check Status	Delivered to OEI	<div>INP – In Progress Pagero In Progress - Pagero</div> <div>SUB – Successful submission by Pagero Successfully submitted-Pagero</div>

		<ul style="list-style-type: none"> ERR  Error - Pagero
TROEI Cancellation	ERR – Pagero	Cancellation Pagero  Cancellation - Pagero
Check Status (Italy)	SUB – Successful submission by Pagero	Accepted by Tax Authority  Accepted by Tax Authority Rejected by Tax Authority  Rejected by Tax Authority Business Acceptance - Pagero  Business Acceptance - Pagero Business Rejection - Pagero  Business Rejection - Pagero Dateline Passed  Deadline Passed

Error Statues and Handling

This section lists out the Error Statues and Handling processes for Customer electronic invoices.

Process Status	Allowed Action	Final Status	Description
Created	More -> Cancel eDocument	Cancelled	Refer to section Cancellations from SAP
“OEI Error” Refer File Column	More -> Cancel eDocument	Cancelled	Refer to section Cancellations from SAP

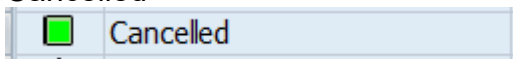
Error: Pagero	More -> TROEI Cancellation	Cancellation - Pagero	Refer to section Cancellations from Thomson Reuters ONESOURCE E-Invoicing (OEI)
Rejected by Tax Authority	More -> Cancel eDocument	Cancelled	Refer to section Cancellation of invoices Rejected by Tax Authority
Business Rejection	More -> Cancel eDocument	Cancelled	Refer to section Cancellation of Invoices with Business Rejection

Cancelling Electronic Documents (Seller)

Cancellations from SAP for invoices not yet sent to OEI

Cancellation of electronic documents, such as electronic invoices or credit memos in SAP which **were not sent to ONESOURCE E-Invoicing (OEI)** yet. You can only cancel electronic documents (eDocuments) if they are in any of the following statuses:

1. **Status: Created**

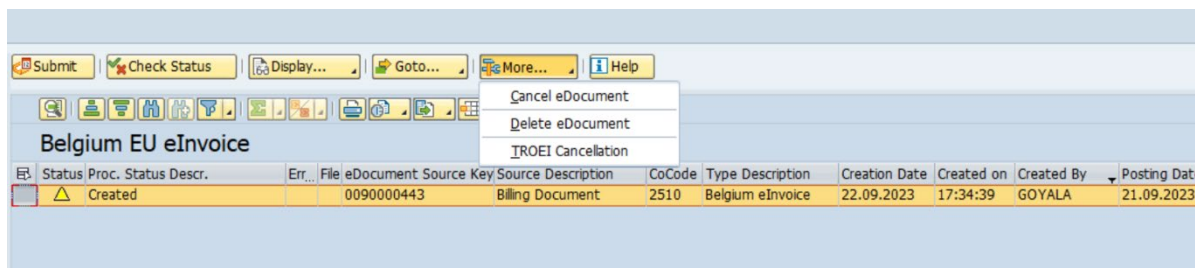
Initial Status	Action Allowed	Final Status
Created	More > Cancel eDocument	Cancelled 

Do the following to Cancel:

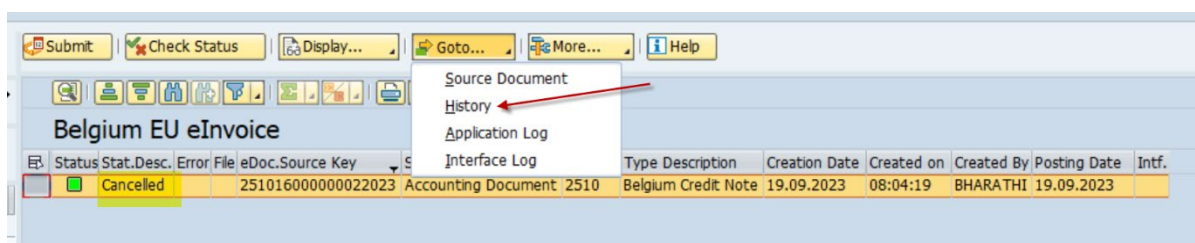
- a. Call up transaction EDOC_COCKPIT
- b. Choose respective e invoice process on left side.
- d. Select one or more eDocuments and choose More => Cancel eDocument.

The system cancels the electronic document. To keep the data consistent in your system, ensure that you reverse or cancel the corresponding source document manually.












Before Cancellation:




After Cancellation: Select the line, Click Goto -> History



Document Log: Showing Process Status first as CREATED and then CANCELLED

eDocument History																
<div>          </div>																
eDocument GUID	SequenceNo	CoCode	C/R	Source Type	eDocument Source Key	eDocType	Process Status	Changed By	Changed On	Cha.Time	Process	Ref. Proc.	Last Step	Variant	Vers	eDoc
0E8978F1268B1EDE95D8644098AD4352	1	2510	BE	FI_INVOICE	251016000000022023	BE_CRE	CREATED	BHARATHI	19.09.2023	08:04:19	BEINV	EUIINV	CREATE	HOOK	1	X
0E8978F1268B1EDE95D8644098AD4352	2	2510	BE	FI_INVOICE	251016000000022023	BE_CRE	CANCELLED	LIZAK	20.09.2023	19:06:03	BEINV	EUIINV	CANCEL		1	X

2. Status: "OEI Error" Refer File Column

Initial Status	Action Allowed	Final Status
"OEI Error" Refer File Column	More > Cancel eDocument	Cancelled  Cancelled

For this status electronic documents haven't been received by the ONESOURCE E-Invoicing (OEI) system due to error. To view the error, Select the line and double click icon in "File" Column. This will open the .xml file, scroll down to see the error.

Resolution: Cancel the document by selecting the line and hit More-> Cancel eDocument. The final status would be Cancelled.

EDocument Cockpit

Source Document:

Variant: Default Selection Change

Show Recent eDocuments: 30 Days

Belgium EU eInvoice

Status Proc.	Status Descr.	Error	File	eDocument Source Key	Source Description	CoCode	Type Description
	OEI Error: Refer File Column			0090000241	Billing Document	2510	Belgium eInvoice
	OEI Error: Refer File Column			0090000242	Billing Document	2510	Belgium eInvoice
	OEI Error: Refer File Column			0090000247	Billing Document	2510	Belgium eInvoice
	Created			2510180000000090223	Accounting Document	2510	Belgium eInvoice

```
<!ELEMENT />
<ELECTRONICMAIL/>
</CONTACT>
</RECEIVERPARTY>
- <DOCUMENTRESPONSES>
  - <item>
    - <RESPONSECODE>ERR</RESPONSECODE>
    - <STATUSES>
      - <item>
        - <REASONCODE>BAD_REQUEST</REASONCODE>
      - <REASON>
        - <item>
          - <DESCRIPTION>deliveries[0].deliveryLocation.address.postalZone: Is a required field, cannot be null.</DESCRIPTION>
          - <item>
            - <DESCRIPTION>deliveries[0].deliveryLocation.address.countryIdentificationCode: Is a required field, cannot be null.</DESCRIPTION>
          - <item>
            - <DESCRIPTION>deliveries[0].deliveryLocation.address.streetName: Is a required field, cannot be null.</DESCRIPTION>
          - <item>
            - <DESCRIPTION>deliveries[0].deliveryLocation.id: Is a required field, cannot be null.</DESCRIPTION>
          - <item>
            - <DESCRIPTION>deliveries[0].deliveryLocation.address.addressLines[0].line: Is a required field, cannot be null.</DESCRIPTION>
          - <item>
            - <DESCRIPTION>deliveries[0].deliveryLocation.address.cityName: Is a required field, cannot be null.</DESCRIPTION>
          - </item>
        - </REASON>
      - </item>
    - </STATUSES>
  - </item>
</DOCUMENTRESPONSES>
```

1. SD Billing Documents


2. FI Billing Documents

You want to cancel an electronic document that has already been received by the customer. You must create a credit memo.

Cancellations from Thomson Reuters ONESOURCE E-Invoicing (OEI)

Status: “Error: Pagero” Refer File Column

This status shows the e-document has been sent to Pagero and failed its validation checks. In this instance, execute the TROEI Cancellation function which will send back a cancellation acknowledgement to Pagero.

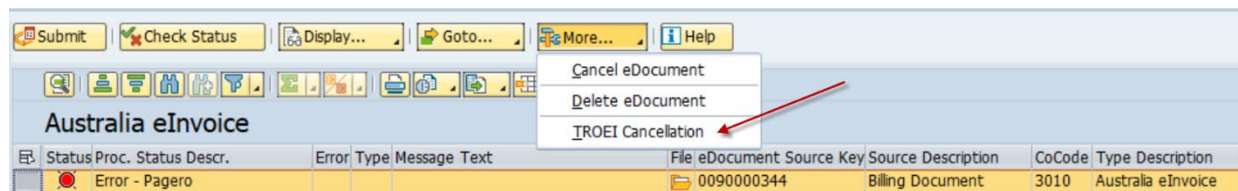
Initial Status	Action Allowed	Final Status
Error: Pagero	More -> TROEI Cancellation	Cancellation - Pagero  Cancellation - Pagero

Do the following to Cancel:

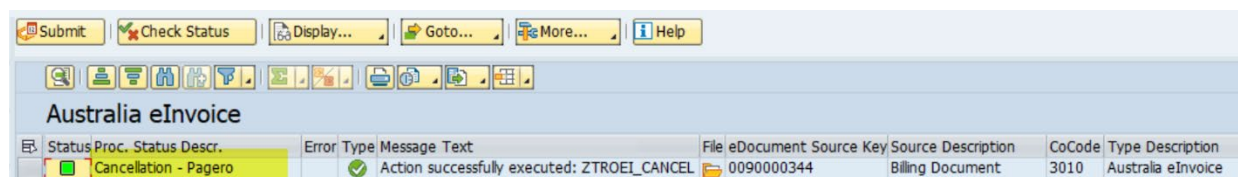
- Call up transaction EDOC_COCKPIT
- Choose respective e invoice process on left side.
- Select one or more eDocuments and choose More => TROEI Cancellation.

The system cancels the electronic document. To keep the data consistent in your system, ensure that you reverse or cancel the corresponding source document manually.










Before Cancellation:



After Cancellation: Select the line, Click Goto -> History




Document Log: Showing Process Status first as CREATED and then ERR_PAGERO and finally CAN_PAGERO

eDocument History																		
<div></div>																		
#	eDocument GUID	SequenceNo	CoCode	C/R	Source Type	eDocSrcKey	eDocType	Process Status	Changed By	Changed On	Cha.Time	Process	Ref. Proc.	Last ProcStep	Variant Vers	Stat	Overv	In
	0E8978F1268B1EDE95F80C3783D12352	1	3010	AU	SD_INVOICE	0090000344	AU_INV	CREATED	LIZAK	20.09.2023	14:17:16	AUBV	ZTR_EUBV	CREATE	HOOK	1	X	
	0E8978F1268B1EDE95F80C3783D12352	2	3010	AU	SD_INVOICE	0090000344	AU_INV	SEND_REQ	LIZAK	20.09.2023	14:17:39	AUBV	ZTR_EUBV	REQ_SEND		1	XX	
	0E8978F1268B1EDE95F80C3783D12352	3	3010	AU	SD_INVOICE	0090000344	AU_INV	ACCEPTED	LIZAK	20.09.2023	14:17:40	AUBV	ZTR_EUBV	GET_MDN_R		1	XX	X
	0E8978F1268B1EDE95F80C3783D12352	4	3010	AU	SD_INVOICE	0090000344	AU_INV	ERR_PAGERO	LIZAK	20.09.2023	14:34:04	AUBV	ZTR_EUBV	CHECK_STAT		1	XX	X
	0E8978F1268B1EDE95F80C3783D12352	5	3010	AU	SD_INVOICE	0090000344	AU_INV	ERR_PAGERO	GOYALA	26.09.2023	17:13:11	AUBV	ZTR_EUBV	CHECK_STAT		1	XX	X
	0E8978F1268B1EDE95F80C3783D12352	6	3010	AU	SD_INVOICE	0090000344	AU_INV	CAN_PAGERO	GOYALA	26.09.2023	17:13:19	AUBV	ZTR_EUBV	TROEI_CANC		1	XX	X

Cancellation of invoices Rejected By Tax Authority

Status: Rejected by Tax Authority

When an electronic document processed through ONESOURCE E-Invoicing (OEI) and Pagero fails validation by the Tax Authority, the end user is required to cancel the eDocument. To view the error, select the respective line and double-click on the icon in the 'File' column. This action will open the .xml file, allowing you to scroll down and identify the error.

Initial Status	Action Allowed	Final Status
"Rejected by Tax Authority"	More > Cancel eDocument	Cancelled  Cancelled

Example:

Document 0090006785 is rejected by tax authority with reason code "CLR" in the response payload.

Submit
Check Status
Display...
Goto...
More...
Help

Cancel eDocument
Delete eDocument
TROEI Cancellation




Italy Fattura XML

Status	Proc.	Status Descr.	eDocument Source Key	File	eDocument GUID	Source Description	CoCode	Type Desc.	Cre.Date	Created ...	Created By
		Rejected by Tax Authority	0090006785		0E8978F1268B1EDEB6C1F0D568C78357	Billing Document	2310	Italy Fattura	04.03.2024	10:11:17	BHARATHI

```

- <DOCUMENTRESPONSES>
  - <item>
    <RESPONSECODE>CLR</RESPONSECODE>
  - <STATUSES>
    - <item>
      <REASONCODE>OTH</REASONCODE>
    - <REASON>
      - <item>
        <DESCRIPTION>00404: Fattura duplicata : Fattura duplicata numero 423100453083 del 10/02/2024 ,
        posizione nel lotto 1 Verificare che il campo Numero dei "DatiGeneraliDocumento" sia unico per
        cedente/prestatore, tipo documento e anno</DESCRIPTION>
      
```



Cancel the document by selecting the line and hit More-> Cancel eDocument. The final status is now Cancelled.

Italy Fattura XML											
	Status	Proc. Status Descr.	eDocument Source Key	File	eDocument GUID	Source Description	CoCode	Type Desc.	Cre.Date	Created ...	Created By
		Cancelled	0090006785		0E8978F1268B1EDEB6C1F0D568C78357	Billing Document	2310	Italy Fattura	04.03.2024	10:11:17	BHARATHI

Cancellation of Invoices with Business Rejection

Status: Business Rejection

When an electronic document, having undergone processing via ONESOURCE E-Invoicing (OEI), Pagero, and the Tax Authority, encounters rejection by the Buyer, the end user is tasked with cancelling the eDocument. To review the error details, simply select the corresponding line and double-click the icon in the 'File' column to open the xml file and view the error.

Initial Status	Action Allowed	Final Status
"Business Rejection"	More > Cancel eDocument	Cancelled  Cancelled

Example:

Document 0090006746 is rejected by the Buyer with reason code "BUR" in the response payload.

Submit

Check Status

Display...

Goto...

More...



Help

```

- <DOCUMENTRESPONSES>
- <item>
  <RESPONSECODE>BUR</RESPONSECODE>
- <STATUSES>
- <item>
  <REASONCODE>OTH</REASONCODE>
- <REASON>
- <item>
  <DESCRIPTION>EC02: NELLA FATTURA È STATA ERRONEAMENTE INDICATA LA NS. PARTITA IVA , VA
INDICATO SOLO IL CODICE FISCALE IL CIG È ERRATO QUELLO ESATTO È IL SEGUENTE:
Z253AE19D5</DESCRIPTION>
</item>

```

Cancel the document by selecting the line and hit More-> Cancel eDocument. The final status is now Cancelled.

Italy Fattura XML											
Status	Proc.	Status Descr.	eDoc.Source Key	File	eDocument GUID	Source Description	CoCode	Type Desc.	Cre.Date	Created ...	Created By
	Cancelled		0090006746		0E8978F126881EDEB5D8392EA08DC357	Billing Document	2310	Italy Fattura	29.02.2024	08:09:00	BHARATHI

Appendix (Country Specific)

Japan: Implementation of OSS Notes

In your SAP S/4HANA system, you may find that implementation of the e-invoice solution requires additional OSS notes to be implemented for Japan. We have listed here the known OSS notes that are required, however there may be additional notes that are not identified.

Note Number	Short Text
3071425	eDocument EU: Corrections
3085941	eDocument EU: Corrections
3109533	eDocument EU: Corrections
3109609	eDocument EU: Interface Connector BAdI Filter
3119850	eDocument EU: Prerequisite for SAP Note 3109533
3134550	eDocument EU: Corrections
3170418	eDocument EU: Corrections
3181533	eDocument EU: Prerequisite for SAP Note 3134550
3210223	eDocument EU: Corrections
3247510	eDocument EU: Prerequisite for SAP Note 3210223
3270592	eDocument Japan - eInvoicing

Italy: Additional information

This section outlines additional configurations required when implementing the e-document solution for Italy.

Codice Destinataro (Accounting/Buyer Customer Party)

This field is designated by SDI/Tax Authority for the purpose of identifying the IPA Routing Code or Codice Destinataro for Italy's B2G and B2B transactions.

Procedure

- Go to transaction code **BP**
- Under BP Role "Customer Fin.Accounting" > go to Identification Tab to maintain the the IPA Routing Code or Codice Destinataro provided by SDI Authority under tax number category "**IT4**".
- Save entries.

Sample Configuration:

The screenshot shows the SAP Business Partner configuration interface. At the top, the Business Partner is identified as '23100002' with the role 'Domestic Customer IT 2 / 00149 Rome RM'. The 'Display in BP role' is set to 'Customer (Fin.Accounting)'. The 'Identification' tab is selected, showing fields for 'Address', 'Address Overview', 'Identification', 'Control', 'Payment Transactions', 'Status', 'Legal Data', and 'Customer: General Data'. Below these tabs, there are buttons for 'All Industry Systems' and 'Change History', and a note 'Entry 1 of 1'. The 'Identification Numbers' section includes an 'External BP Number' field. The 'Tax Numbers' section has a checkbox for 'Natural Person' and a table of tax numbers. The table has columns for 'Category', 'Name', and 'Tax Number'. The row for 'IT4' (Italy: IPA Code) with the value 'WSBUKP' is highlighted with a red box.

Category	Name	Tax Number
IT0	Italy: VAT Registration Number	IT10295850969
IT1	Italy: Codice Fiscale	09247981005
IT2	Italy: IVA Code	09247981005
IT4	Italy: IPA Code	WSBUKP

Stamp Duty (BOLLO)

This section relates to configuring Duty Stamp-related settings.
Italy Duty Stamp / BOLLO is applicable for both SD and FI transactions.

Procedure

- SPRO Path: Financial Accounting Global Settings > Global Parameters for Company Code > Maintain Additional Parameters. Choose your Italy Company Code.
- Under IBOLCU maintain the duty stamp related Condition Type from the Pricing Procedure [T.code -V/08] For Example: "BOLL" – Charged to Customer
- Under IBOLFI Field maintain the GL Account for customer related to duty stamp. For example "0022006500"
- Save entries.

Note: At this point this solution only supports BOLLO Charged to Customer.

Change View "Additional Data": Overview

Company Code: 2310

Dialog Structure: Company Code > Additional Data

Par.type	Parameter type description	Parameter value
CGICD	CGI Code	
CGIID	CGI Identification	
CGIIR	CGI Issuer	
CGIPRT	CGI Party (Bank-Specific)	
DILTAX	Detail Tax Entry with MIRO	
IBOLCU	Condition Type Bollo/Customer	BOLL
IBOLFI	G/L Account Bollo/Customer	0022006500
IBOLSD	Condition Type Bollo/Company	ZBOL
IBOLVA	Default Value for Bollo	2.00
ICASOC	Company Stock Capital	SRL
IBOLFI	GL Account Down-Bout Closing	

Registration Data

This section lists configuration required by SDI to identify the legal entity and its status related Province of registry, Company Registration Number, Share Capital, Status of Share holder and liquidation status.

Description	Table Field	Field	Payload Syntax
Province Of Registration Office	T001Z-PAVAL	IUFFIC	IT:Ufficio
Company Registration Number	T001Z-PAVAL	INRREA	IT:NumeroREA
Share Capital	T001Z-PAVAL	ICASOC	Allowed values (SpA, SApA, SRL), the string should be ignored IT:CapitaleSociale
Status of Share Holder	T001Z-PAVAL	ISOCUN	Allowed Values "SU" or "SM" else this string should be ignored. IT:SocioUnico
Liquidation Status	T001Z-PAVAL	ISTLIQ	Allowed values: LS or LN. else this string should be ignored IT:StatoLiquidazione

Procedure

- SPRO Path: Financial Accounting Global Settings > Global Parameters for Company Code > Maintain Additional Parameters
- Based on the limitations mentioned above maintain the respective data pertaining to your company code related to Italy.
- Save entries.

Sample Configuration:

Change View "Additional Data": Overview

Company Code: 2310

Dialog Structure

- Company Code
 - Additional Data

Par.type	Parameter type description	Parameter value
DTLTAX	Detail Tax Entry with MIRO	
IBOLCU	Condition Type Bollo/Customer	BOLL
IBOLFI	G/L Account Bollo/Customer	0022006500
IBOLSD	Condition Type Bollo/Company	ZBOL
IBOLVA	Default Value for Bollo	2.00
ICASOC	Company Stock Capital	SRL
IDPCFI	G/L Account Down Payt Clearing	
IDTRAN	Sender Identification Code	
INRBOL	Invoice Stamp Tax	
INRREA	Companies Register Number	0441797980
IREGFI	Invoice Tax System	
ISOCUN	Company Shareholder ID	SM
ISTLIQ	uidation ID	LS
IUFFIC	Inv. Province Registry Office	RM
LWTKRS	Tax Rate for Country Currency	
PAP001		

Tax Chargeability

This section lists configuration utilized by the SDI/Tax Authority to indicate whether the tax is for Immediate Effect, Unrealized VAT, or Splitting of Tax payments.

Procedure

- Enter table/ view **/TROSEI/V_TXCHRG** using transaction SM30.
- Under C/R field, enter the Country "IT"
- Under TX field, enter the SAP Tax code
- Under OEI Value maintain the conversion value
 - I – VAT with immediate effect
 - D – VAT unrealized [For Ex., Deferred Tax]
 - S – Splitting of Tax Payments [When Buyer intends to pay the tax directly]

d. Save entries.

Taxchargeability View		
View: /TROSEI/V_TXCHRG		
Datum: 16.03.2024		
Ctry/Reg.	Tax Code	Osei Val...
IT	S1	S
IT	S2	S
IT	S3	S
IT	SA	D
IT	V0	I
IT	V1	I
IT	V2	I

Additional country scope

While we endeavor to include configuration content for as many countries as possible within the ONESOURCE E-invoice solution, there may be countries that have not yet been covered in the content. However, by utilizing the SAP e-document framework and the Thomson Reuters E-Invoice solution for SAP S/4HANA, support for additional countries can be easily accommodated through the adaptation of the following configurations.

eDocument Type


While SAP provides standard e-document types, if they are not yet available for the specific country you intend to implement, you have the option to create a custom e-document type.

In this context, we will use the custom e-document type for Malaysia's e-document implementation as an illustrative example.

Procedure

- Enter table/ view **EDOTYPEV** using transaction SM30.
- Click Edit
- Create an eDocument Type in the customer namespace and enter a description.

Display View "eDocument: Type": Overview



eDocument: Type	
eDocument ...	Type Description
MY_CRE	Malaysia Credit Note
MY_INV	Malaysia eInvoice

eDocument Process


Procedure

- Enter table/ view **EDOPROCESSV** using transaction SM30.
- Click Edit.
- Create an eDocument in the customer namespace for Outgoing Invoice and Incoming Invoice.

For customer electronic invoices, assign Ref. Proc. **ZTROEI**

For supplier electronic invoices, assign Ref. Proc. **ZTROEIIN**

Display View "eDocument Process": Overview



eDocument Process				
eDoc. Process	Process Description	Ref. Proc.	Service	Country/Region
MYINV	Malaysia eInvoice	ZTROEI	<input checked="" type="checkbox"/>	MY
MYINVIN	Malaysia Incoming eInvoice	ZTROEIIN	<input checked="" type="checkbox"/>	MY

eDocument-EU Party Identification Type

Procedure

- Enter table/ view **EDOEUPARTYV** using transaction SM30.
- Click Edit.
- Create a party ID type previous maintained in [Assign Party ID Types to Business Partner](#) and [Assign Party ID Types to Companies](#).
- Maintain the Code Type by referring to the Peppol Electronic Address Schema <https://docs.peppol.eu/poacc/billing/3.0/codelist/eas/>

eDocument - EU Party Identification Type							
View: EDOEUPARTYV							
Datum: 11.03.2024							
PartyIDT	Description	Mapp Class Outbound	Mapping Method Outbound	Mapp Class Inbound	Mapping Method Inbound	Ctry ISO CodeTy...	Valid To
MY:VAT	Malaysia VAT Number	CL_EDOC_MAP_UBL	READ_VAT_NUMBER	CL_EDOC_MAP_UBL	GET_PARTY_BY_VAT_NUMBER	MY	9925

e-Document Process Step Determination

Procedure

- Enter table/ view **EDOPROCSTEPDETV** using transaction SM30.
- Click Display
- Add all the relevant eDoc Type for EDoc. Process “ZTROEI” for Process Step “**GET_MDN_R**” and “**REQ_SEND**”.

Process Step determ.: interface shall execute this step							
View: EDOPROCSTEPDETV							
Client: 804							
Datum: 11.03.2024							
Process	Vers	Interface ID	eDoc Type	Source Type	Process Step	Direction	Interface Description
ZTROEI	1	UBL_GET_RESPONSE_RESPONSE	MY_CRE		GET_MDN_R	I	UBL Credit Note Transmission
ZTROEI	1	UBL_GET_RESPONSE_RESPONSE	MY_INV		GET_MDN_R	I	UBL Credit Note Transmission

e-Document Process Step Interface Determination

Procedure

- Enter table/ view **EDOPROCSPINTDETV** view using SM30.
- Click Edit
- Add all the relevant eDoc Type for EDoc. Process “ZTROEI” for Process Step “**GET_MDN_R**” and “**REQ_SEND**”.

Process Step Interface determination								
View: EDOPROCSPINTDETV								
Client: 804								
Datum: 11.03.2024								
Process	Vers	Process Step	eDoc Type	Source Type	Variant	Interface ID	Direction	Interface Description
ZTROEI	1	GET_MDN_R	MY_INV			UBL_GET_RESPONSE_RESPONSE	I	UBL Credit Note Transmission
ZTROEI	1	REQ_SEND	MY_INV			UBL_INVOICE_TRANSM	O	UBL Invoice Transmission