



Country Solution Brazil

IFSCLOUD25R1

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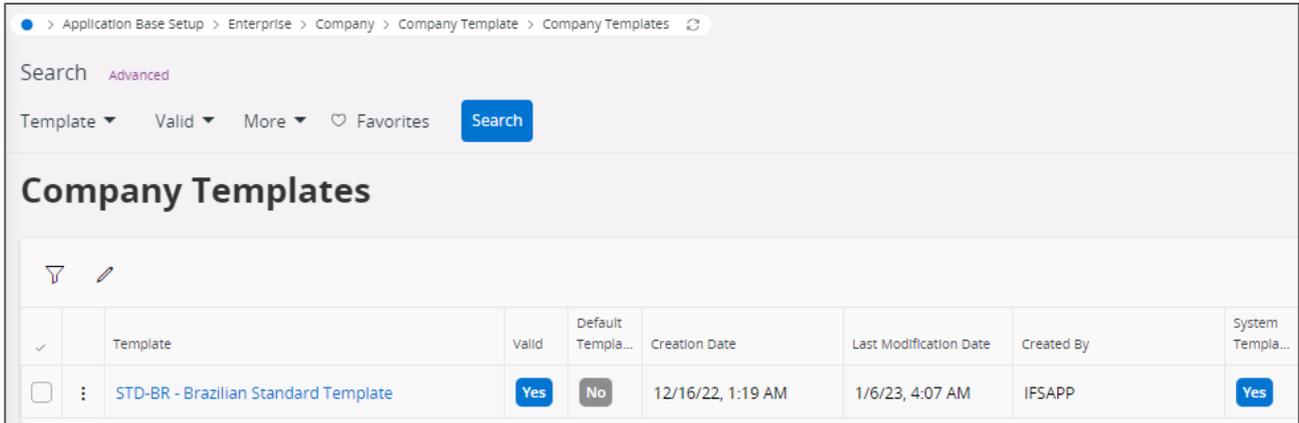
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1 Company Set-up

1.1 Overview

Create a new Brazilian company. The company can be created based on the Brazilian Standard Template (STD-BR).

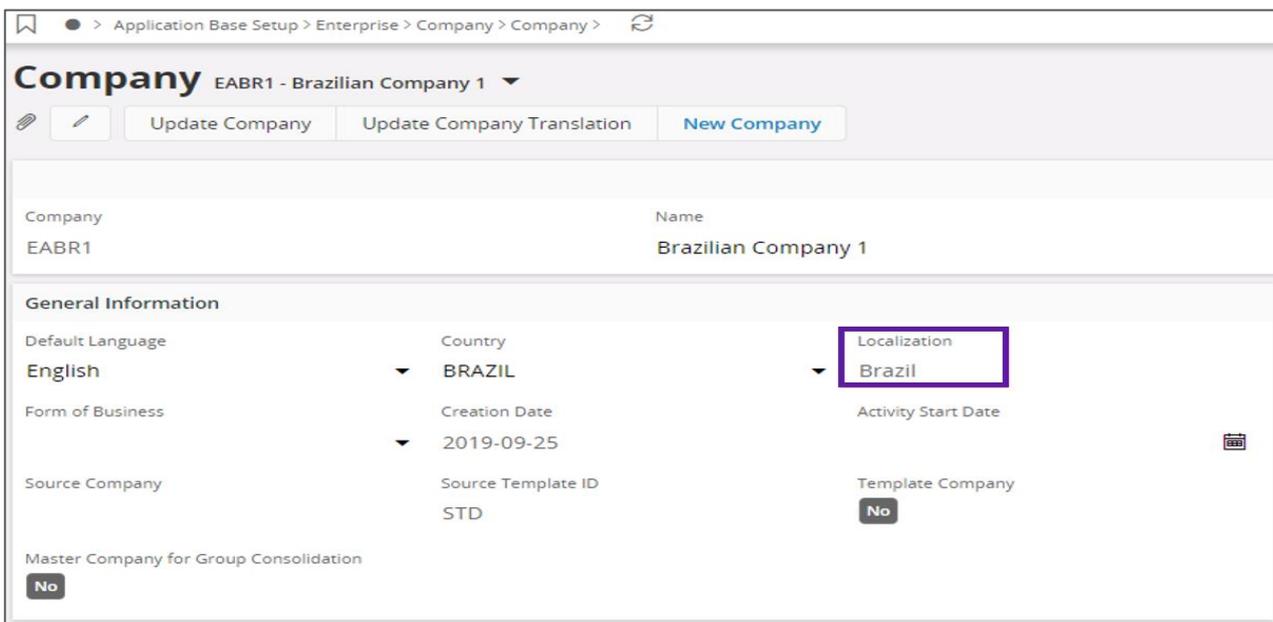


✓	Template	Valid	Default Templa...	Creation Date	Last Modification Date	Created By	System Templa...
<input type="checkbox"/>	STD-BR - Brazilian Standard Template	Yes	No	12/16/22, 1:19 AM	1/6/23, 4:07 AM	IFSAPP	Yes

To utilize the Brazilian functionality, the company must be set up as using the Brazilian localization. This is defined in the page **Company**.

1.2 Define Localization

- Open the page, **Company**.
- Search for the company.
- Select “Brazil” in the drop-down list in the **Localization** field and **save**. Note that this cannot be changed once transactions are created for the company.



Company EABR1 - Brazilian Company 1

Update Company Update Company Translation New Company

Company EABR1 Name Brazilian Company 1

General Information

Default Language English Country BRAZIL Localization **Brazil**

Form of Business Creation Date 2019-09-25 Activity Start Date

Source Company Source Template ID STD Template Company No

Master Company for Group Consolidation No

1.3 Select Localization functionality.

Specify which functionality to use.

- Open *Localization Control Center* sub-menu in the **Company** page.
- The localization selected in previous step is displayed in the **Localization Control Center** field and cannot be changed.
- All functionality available for Brazil is presented in the list. Enable/Disable the functionality based on the requirements for the company by enabling/disabling the toggle. Note that some functionality is mandatory and cannot be disabled.

For example, showing Brazilian Specific Fiscal Attributes in the sales and purchasing flow is mandatory. But if Avalara taxes are supposed to be used, this specific function for “Integration to Brazilian External Tax System” need to be enabled.

Localization Control Center SC-BR-COM2 - SC-BR-Company2 2 of 3

Company: SC-BR-COM2 | Name: SC-BR-Company2 | Association No: | Created By: IFSAPP

Localization: Brazil (Initial Solution)

Functionality	Description	Mandatory	Enabled
<input type="checkbox"/> Acquisition Origin	Enables functionality for defining acquisition origin for parts, needed for legal reporting.	Yes	Yes
<input type="checkbox"/> Address Specific Tax Regis	Enables the definition of multiple, address specific tax registration numbers on Company, Customer and Supplier for legal reporting purposes.	Yes	Yes
<input type="checkbox"/> Use Automatic Generator	Enables the use of components to be combined with a sequence number per branch to create an official customer invoice number.	Yes	Yes
<input type="checkbox"/> Boleto - Bank Collection B	Enables the generation and print out of Brazilian Boleto when Customer Order Invoice is turned to PostedAuth state.	No	No
<input type="checkbox"/> Brazilian Specific Fiscal Att	Enables additional fiscal attributes specific for Brazil on Sales Part, Purchase Part and Master Part needed for tax determination and legal repor	Yes	Yes
<input type="checkbox"/> Business Operation	Enables functionality to define if a specific operation is taxable or not, needed for legal reporting.	Yes	Yes
<input type="checkbox"/> Integration to Brazilian Ex	Enables integration to Brazilian Tax system to facilitate Tax Determination, communication of electronic Notas Fiscais, and Tax Compliance.	No	Yes
<input type="checkbox"/> Cancel PostedAuth Custor	Enables the functionality for cancel customer order invoices in status PostedAuth.	Yes	Yes
<input type="checkbox"/> Nota Fiscal Issue date use	Enables functionality assuring the Nota Fiscal issue date is applied on invoices transactions for goods issue to fulfill accounting requirements.	Yes	Yes

2 Business Operation

2.1 Overview Legal Requirement

The Business Operation (Brazilian CFOP code) is a code specified by the Brazilian tax system and determined by the federal government. It can be used to define if a specific operation is taxable or not and is mandatory information for the NF-e XML (electronic version of the Nota Fiscal).

2.2 Process Overview

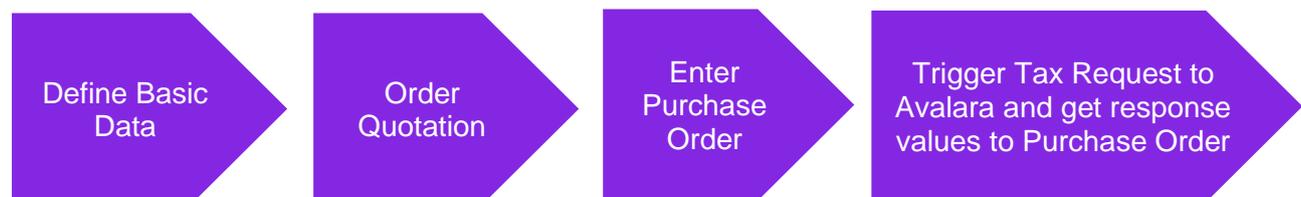
2.2.1 PROCESS OVERVIEW WITH CUSTOMER ORDER SALES OF GOODS



2.2.2 PROCESS OVERVIEW WITH PROJECT INVOICE – INITIAL SOLUTION



2.2.3 PROCESS OVERVIEW PROCUREMENT



2.3 Prerequisites

The company must be set up to use Brazilian localization, see the Company Set-Up chapter, and the “Business Operation” parameter must be enabled (this is mandatory in the Localization Control Center for Brazil localization).

2.4 Define basic data.

Enter the CFOP codes for your company in the **Application Base Setup/General Data/Business Operation** page.

Application Base Setup > General Data > Business Operation Company: Brazilian Company 1

Business Operation

Business Operation	Description	Validity
<input type="checkbox"/> 5.100	Sales of own production or by third party (within state)	Active
<input type="checkbox"/> 5.250	Sales of electric energy (within state)	Active
<input type="checkbox"/> 6.100	Sales of own production or by third party (outside the state)	Active

2.5 Enter Customer Order

Enter and process a customer order using standard functionality.

Create Customer Order Invoice

Create a preliminary Customer Order Invoice and enter a business operation value for each invoice line in column **Business Operation**.

Sales > Invoicing > Customer Invoice Preliminary

Customer Invoice BRCUST1 - Brazilian Customer 1 - 201716 - CUSTORDDEB - P10486

Customer No	Customer Address Name	Series ID	Invoice No	Company	Site	Invoice Created	Order Created
BRCUST1	Brazilian Customer 1	PR	201716	EABR1	BR1	2019-11-04	2019-11-04

Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	2880,00	2304,00	576,00	1	1

Pos	Invoice Item	Description	Invoiced Qty	Sales UoM	Price Qty	Price UoM	Sales Price/Curr	Sales Price Incl Tax/Curr	Acquisition Origin	Business Operation	Charge (%)	Charge (%) Basis/Curr	Dis
1	165	Remote control, Radio	2	pcs	2	pcs	1200,00	1500,00	1 - Foreign, direct import	5.250			

2.6 CFOP with the AVALARA Integration

From IFS Cloud 21R2 release onwards the Business Operation (CFOP) is associated with integration to 3rd party tax calculation engine, hence this value will be received from the tax calculation engine for each Customer Invoice Line, Project Invoice Line, Order Quotation and/or Purchase Order Line.

The user can manually edit the Business Operation value in the Invoice line if the Customer Order Invoice is in Preliminary status, but it will be overridden with the CFOP value coming from tax calculation engine, if the tax is fetched again by changing quantity or Brazil specific attributes like Acquisition Origin and Goods/Services Statistical Code.

In Project Invoices, the user can manually edit the Business Operation value in the Invoice line if the Project Invoice is in Preliminary status and no Outgoing Nota Fiscals are created for the Project Invoice, but it will be overridden with the CFOP value coming from tax calculation engine, if the tax is fetched again by changing quantity or Brazil specific attributes like Business Transaction ID and Goods/Services Statistical Code.

For the Order Quotation and/or Purchase Order user will not be able to add a value when creating an Order Quotation Line and/or Purchase Order Line, the field for Business Operation will be empty until a response from Avalara has been received. This value can only be changed by a new request

and response from Avalara (e.g. triggered from a change on the Order Quotation and/or Purchase Order line). The value received from Avalara doesn't have to exist in the basic data in IFS Cloud, regardless of it will be added to the Order Quotation and/or Purchase Order Line.

2.7 Generate NF-e XML file

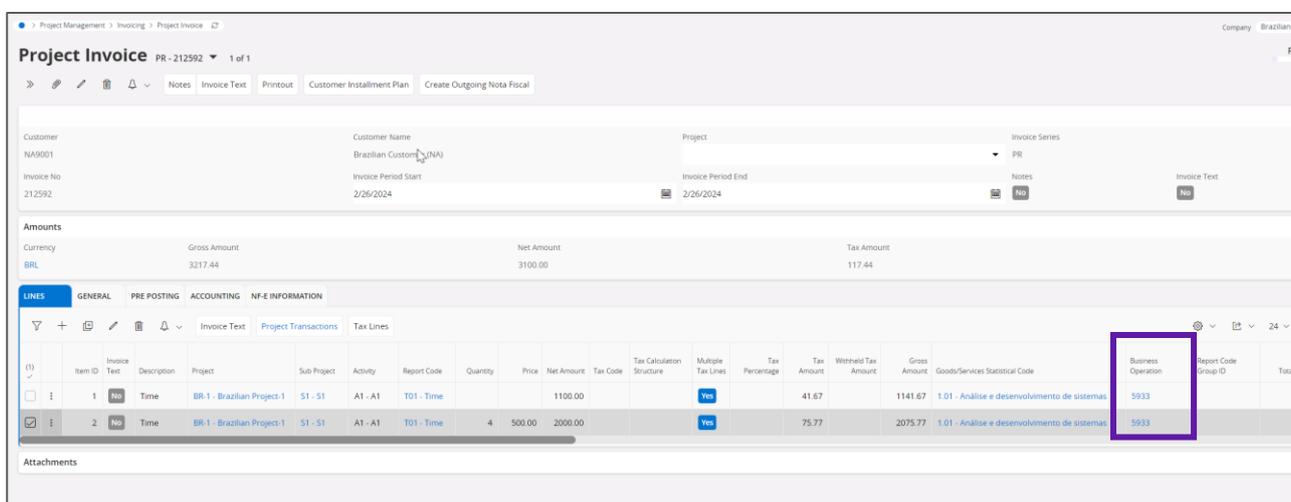
The Business Operation value (CFOP) will be included in the NF-e XML file for each item. See further information in the *Outgoing Nota Fiscals* chapter and in the *Appendix* for the mapping between IFS and XML file.

2.8 Enter Invoicing Plan/Project Transaction

Enter an Invoicing Plan/Project Transaction using standard functionality.

2.9 Create Project Invoice

Create a preliminary Project Invoice and the Business Operation value will be received from the tax calculation engine for each Project Invoice Line in column **Business Operation**.



The screenshot shows the IFS Project Invoice interface. At the top, there are navigation tabs: Notes, Invoice Text, Printout, Customer Installment Plan, and Create Outgoing Nota Fiscal. Below this, there are fields for Customer (NA9001), Customer Name (Brazilian Custom...), Project, Invoice Series (PR), Invoice No (212592), Invoice Period Start (2/26/2024), and Invoice Period End (2/26/2024). There are also fields for Notes and Invoice Text.

Below the header, there is an 'Amounts' section with the following data:

Currency	Gross Amount	Net Amount	Tax Amount
BRL	3217.44	3100.00	117.44

The main part of the interface is a table with columns: (I) Item ID, Invoice Text, Description, Project, Sub Project, Activity, Report Code, Quantity, Price, Net Amount, Tax Code, Tax Calculation Structure, Multiple Tax Lines, Tax Percentage, Tax Amount, Withheld Tax Amount, Gross Amount, Goods/Services Statistical Code, Business Operation, Report Code Group ID, and Total C. The Business Operation column is highlighted with a red box.

(I)	Item ID	Invoice Text	Description	Project	Sub Project	Activity	Report Code	Quantity	Price	Net Amount	Tax Code	Tax Calculation Structure	Multiple Tax Lines	Tax Percentage	Tax Amount	Withheld Tax Amount	Gross Amount	Goods/Services Statistical Code	Business Operation	Report Code Group ID	Total C
	1	No	Time	BR-1 - Brazilian Project-1	S1 - S1	A1 - A1	T01 - Time			1100.00			Yes		41.67		1141.67	1.01 - Análise e desenvolvimento de sistemas	5933		
	2	No	Time	BR-1 - Brazilian Project-1	S1 - S1	A1 - A1	T01 - Time	4	500.00	2000.00			Yes		75.77		2075.77	1.01 - Análise e desenvolvimento de sistemas	5933		

2.10 Create Order Quotation

The field will be empty when entering an Order Quotation Line. Business Operation will only have a value on Order Quotation Line once received from Avalara.

Procurement > Quotation > Order > Order Quotation

Order Quotation

Search (1)

200352 - 1 - CEL-BR.DOM.SUP1 1 of 1

New Business Activity Scan Order Quotation

Request No 200352	Revision No 1	Supplier CEL-BR.DOM.SUP1	Supplier Name Brazilian Domestic Supplier 1
Category Supplier	Site CL-B1	Created 2/17/2025	Received Date
Modified 2/17/2025	Quote Valid To	Product Type Classification Goods	

Details

Brazilian Specific Attributes

Business Transaction ID
201 - Compra de Mercadoria Pro...

PART QUOTATION LINES NO PART QUOTATION LINES ACTIVITIES SUBMISSION REQUIREMENTS

Status	Line No	Part No	Part Description	Business Operation	Price/Curr	Price Incl Tax/Curr	Price UoM	Discount Amount	Discount(%)	Acquisition Origin
	1	CEL-BR.PART.1	Brazilian Part 1					0.00		0 - Nacional, exc

2.11 Enter Purchase Order

The field will be empty when entering a Purchase Order Line. Business Operation will only have a value on Purchase Order Line once received from Avalara.

Purchase Order

P100722 - CE-BR-SUP1 - CE-B1 1 of 2

Status Share Order History Fetch External Tax Pre Posting Document Text Purchase Order Change Order Copy Order Pricing Centralize

Order No P100722	Supplier CE-BR-SUP1 - Cecilia brazil supplier 1	Site CE-B1 - Cecilia site 1 BR co	Order Code 1 - NORMAL	Receipt Date 8/21/23, 12:00 ...
---------------------	----------------------------------------------------	--------------------------------------	--------------------------	------------------------------------

Not Shared

Order Amounts

Total Net Amount/Base 118.00 BRL	Total Net Amount/Curr 118.00 BRL	Total Tax Amount/Curr 0.00 BRL	Total Gross Amount/Curr 118.00 BRL
-------------------------------------	-------------------------------------	-----------------------------------	---------------------------------------

PART LINES NO PART LINES RENTAL PART LINES ORDER DETAILS CHARGES LANDED COST AUTHORIZATION

Status Line Details Create Lines from Template Copy Lines Price Comparison Part Purchase Component External Service Orders

(1)	Part No	Quantity	Business Operation	Goods/Services Statistical Code	Acquisition Origin	Acquisition Reason	Discou... (%)	Discount Amount	Taxable
☑	CE-BRAZIL-PART1	1		45019000 - waste of c...	4 - Nacional, cuja produção t...	SC-BR-RS - Goods for Resale	0	0.00	Yes

2.12 Tax Request to Avalara

After the user triggers a request to Avalara, (depending on Company setup this can be done by for example creating/modifying a part line or any line connected charge, releasing the order, using the manual command, etc.) the response from Avalara will include a value for Business Operation. All details related to the Avalara request mapping can be seen in the Appendix.

2.13 Delimitations

Project Invoicing for provision of services is supported in this Project Invoice – Initial Solution. Project Invoicing flows not supported in this Project Invoice – Initial Solution are:

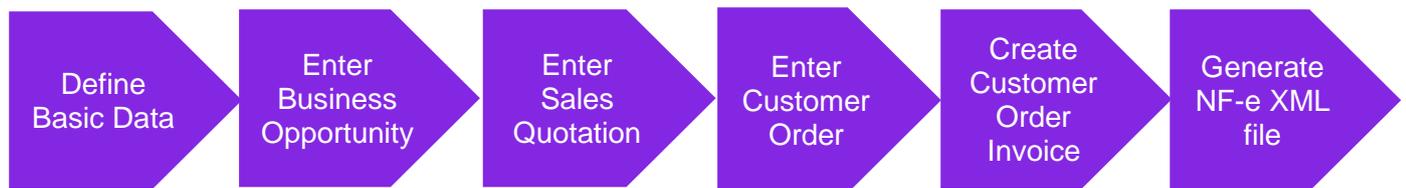
- Project Invoicing for sale of goods.
- Credit Project Invoices and Project Correction Invoices.
- Multi-Company Project Reporting.
- Sales Contract Management.

3 Acquisition Origin

3.1 Overview of Legal Requirement

The Brazilian tax authority provides a list of numeric codes to be used to indicate the acquisition origin for a part. The information is used for tracking if a company is applying the proper tax rates. The acquisition origin of a sold part is mandatory information in the NF-e XML file. This is also possible to set the purchased part to have a default value for the purchase order line, as the value is mandatory on the purchase order line when sending a request to Avalara.

3.2 Process Overview Sales



3.3 Process Overview Procurement

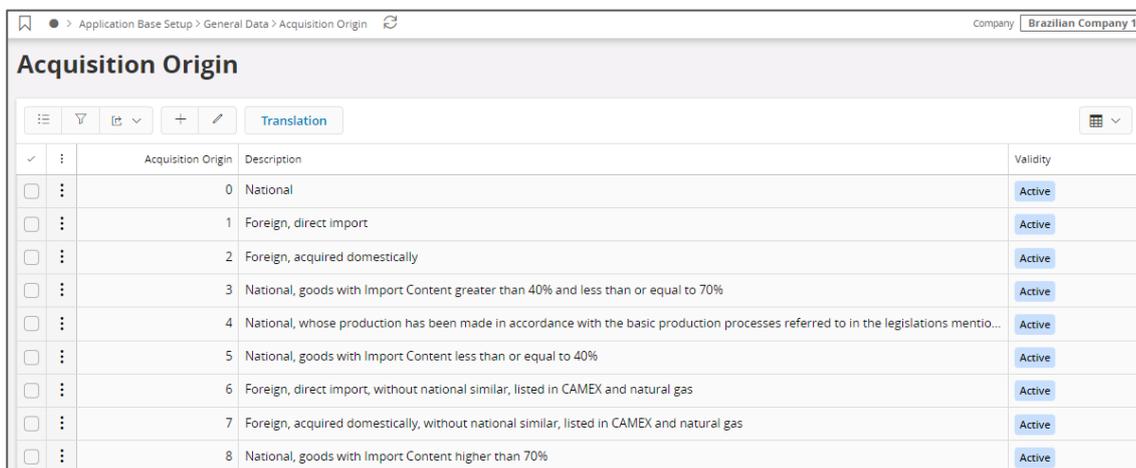


3.4 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Acquisition Origin” parameter must be enabled (which is mandatory for the Brazil localization).

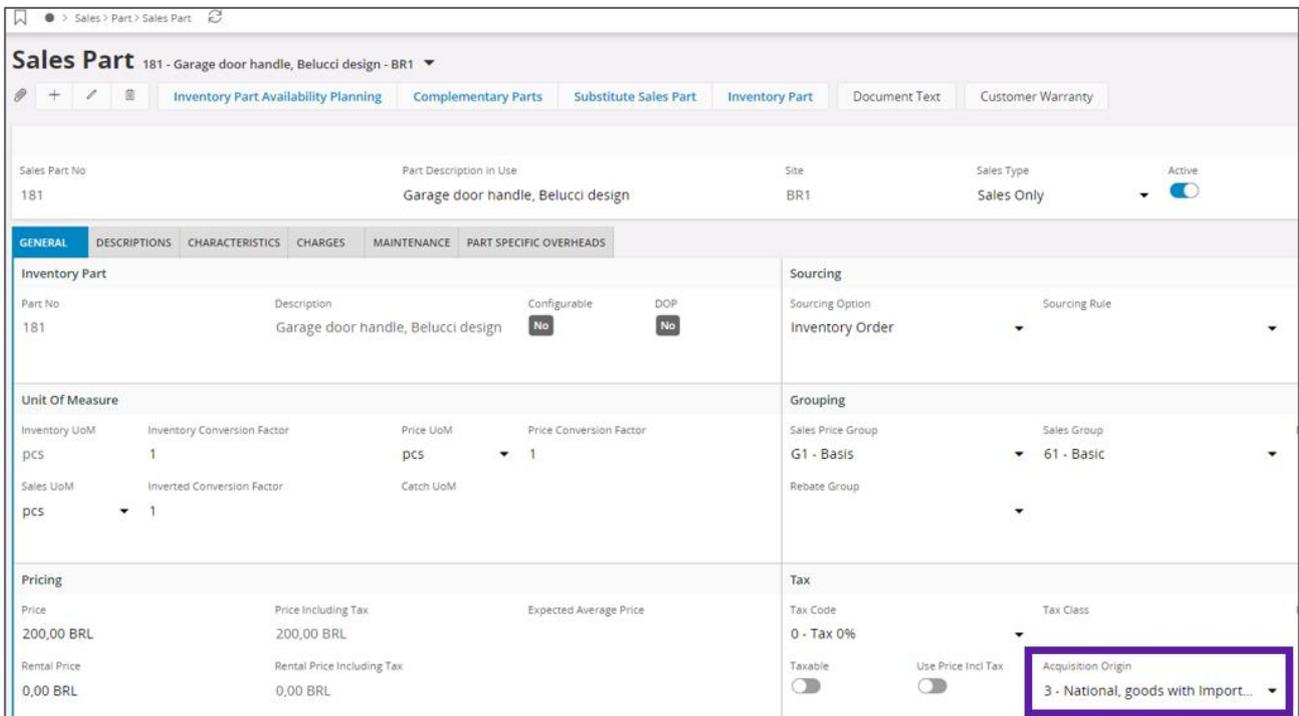
3.5 Define basic data.

Enter the Acquisition Origin basic data for your company in the **Application Base Setup/General Data/Acquisition Origin** page.



Acquisition Origin	Description	Validity
0	National	Active
1	Foreign, direct import	Active
2	Foreign, acquired domestically	Active
3	National, goods with Import Content greater than 40% and less than or equal to 70%	Active
4	National, whose production has been made in accordance with the basic production processes referred to in the legislations mentio...	Active
5	National, goods with Import Content less than or equal to 40%	Active
6	Foreign, direct import, without national similar, listed in CAMEX and natural gas	Active
7	Foreign, acquired domestically, without national similar, listed in CAMEX and natural gas	Active
8	National, goods with Import Content higher than 70%	Active

Enter the default acquisition origin value for each sales part in the **Sales/Part/Sales Part** page and/or for each purchase part in the **Procurement/Part/Purchase Part** page.



Sales Part 181 - Garage door handle, Belucci design - BR1

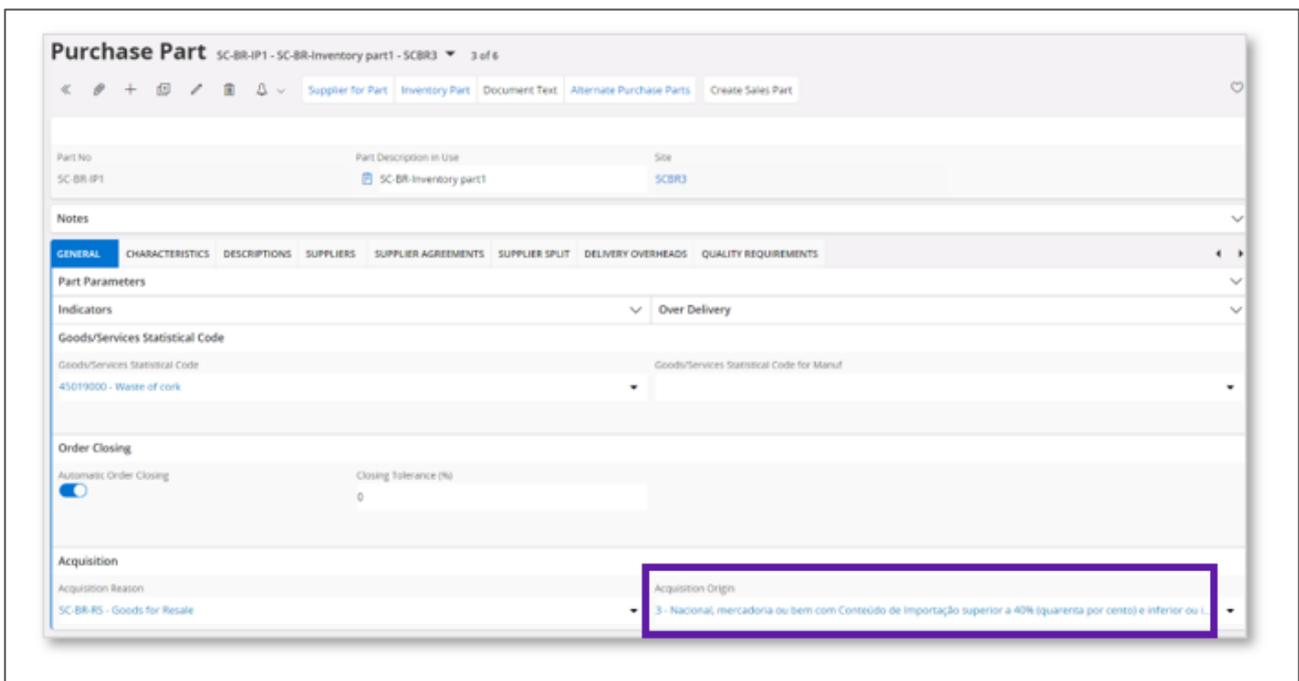
Part No: 181, Part Description in Use: Garage door handle, Belucci design, Site: BR1, Sales Type: Sales Only, Active:

GENERAL | DESCRIPTIONS | CHARACTERISTICS | CHARGES | MAINTENANCE | PART SPECIFIC OVERHEADS

Inventory Part				Sourcing	
Part No	Description	Configurable	DOP	Sourcing Option	Sourcing Rule
181	Garage door handle, Belucci design	No	No	Inventory Order	

Unit Of Measure				Grouping	
Inventory UoM	Inventory Conversion Factor	Price UoM	Price Conversion Factor	Sales Price Group	Sales Group
pcs	1	pcs	1	G1 - Basis	61 - Basic
Sales UoM	Inverted Conversion Factor	Catch UoM		Rebate Group	
pcs	1				

Pricing			Tax	
Price	Price Including Tax	Expected Average Price	Tax Code	Tax Class
200,00 BRL	200,00 BRL		0 - Tax 0%	
Rental Price	Rental Price Including Tax		Use Price Incl Tax	Acquisition Origin
0,00 BRL	0,00 BRL		<input type="checkbox"/>	3 - National, goods with Import...



Purchase Part SC-BR-IP1 - SC-BR-Inventory part1 - SCBR3 3 of 6

Part No: SC-BR-IP1, Part Description in Use: SC-BR-Inventory part1, Site: SCBR3

GENERAL | CHARACTERISTICS | DESCRIPTIONS | SUPPLIERS | SUPPLIER AGREEMENTS | SUPPLIER SPLIT | DELIVERY OVERHEADS | QUALITY REQUIREMENTS

Part Parameters

Indicators: Over Delivery

Goods/Services Statistical Code: 45019000 - Waste of cork

Order Closing

Automatic Order Closing: Closing Tolerance (%): 0

Acquisition

Acquisition Reason: SC-BR-RS - Goods for Resale

Acquisition Origin: 3 - Nacional, mercadoria ou bem com Contexto de Importação superior a 40% (quarenta por cento) e inferior ou igual a 40%

3.6 Enter Business Opportunity

Enter a Business Opportunity header with lines in the **Relationship Management/Customer Relationship Management/Business Opportunity/Business Opportunity** page. The default value for Acquisition Origin per each opportunity line will be fetched from the Sales Part but can be changed manually.

Business Opportunity

Search (26+) Advanced

Status Opportunity No Description Company: STDBRAZIL Business Type Sales Process State Entered More Favorites Search Clear Saved Searches

Opportunity for Brazil customer (ID: 602) 3 of 26+ Unconfirmed

Confirm Sales Process New Business Activity Create Document from Template Copy Opportunity Document Text Access Print Opportunity Change Account

General Information

LINES INVOLVED PARTIES ACTIVITIES ADDITIONAL INFO REFERENCES MAIN/ALTERNATE INFO

Revision No: 0

Create Revision Won Partially Won Lost

Revision Information

Delivery Address Document Address

Economic Information

Opportunity Lines

Update External Taxes Status Guided Selling Line Details New Estimate Manage Contribution Margin Document Text

(1)	Line No	Site	Sales Part No	Description	Sales Qty	Sales UoM	Acquisition Reason ID	Business Transaction ID	Goods/Services Statistical Code	Acquisition Origin
☑	1	Site SP01	BRPART1	Brazilian Part1	10	UN	RS - Goods for Resale	103 - Outras Saidas	84321000 - Arados e charruas	0 - Nacional, exceto as indicadas nos codigos 3, 4, 5 e 8.

3.7 Enter Sales Quotation

Enter a Sales Quotation header with lines in the **Sales/Quotation/Sales Quotation** page. The default value for Acquisition Origin per each quotation line will be fetched from the Sales Part but can be changed manually.

Sales Quotation

Search

P1203

Status Share Operations Sales Promotions Quotation History Copy Quotation Create Lines from Template Document Text New Business

Quotation No P1203 Customer * NE BR DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE DE H... Category Customer Site SP01 Wanted Delivery Date/Time

Sales Quotation Amounts

Total Net Amount/Base	Total Contribution Margin/Base	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
1230,00 BRL	1225,00 BRL	99,59	1230,00 BRL	133,55 BRL	1363,55 BRL

LINES RENTAL LINES CHARGES QUOTATION DETAILS INVOLVED PARTIES BUSINESS ACTIVITIES

Status Line Details Pricing Capability Check Customer Warranty Parts by Assortment and Site Cluster Estimate Document Text

(1)	Line No	Del No	Sales Part	Sales Part Description	Sales Qty	Sales UoM	Price/Curr	Price Incl Tax/Curr	Price UoM	Acquisition Origin
☑	1	1	BRPART1	Brazilian Part1	1	UN	1230,00	1561,90	UN	0 - Nacional, exceto as indicadas nos codigos 3, 4, 5 e 8.

3.8 Enter Customer Order

Enter a customer order header with lines in the **Sales/Order/Customer Order** page. The default value for Acquisition Origin per each order line will be fetched from the Sales Part but can be changed manually. If the Customer Order is created from a Sales Quotation, the Acquisition Origin value for each order line is automatically fetched from the Sales Quotation.

Customer Order P10490

Order No: P10490, Customer: BRCUST1 - Brazilian Customer 1, Site: BR1, Order Type: NO, Wanted Delivery Date/Time: 2019-11-04 00:00

Order Amounts: Total Net Amount/Base: 1152,00 BRL, Total Contribution Margin/Base: 352,00 BRL, Contribution Margin(%): 30,56, Total Net Amount/Curr: 384,00 USD, Total Tax Amount/Curr: 96,00 USD, Total Gross Amount/Curr: 480,00 USD

Line No	Del No	Sales Part No	Description	Sales Qty	Sales UoM	Status	Price/Curr	Price Incl Tax/Curr	Price UoM	Acquisition Origin
1	1	165	Remote control, Radio	1	pcs	Invoiced/Closed	400,00	500,00	pcs	1 - Foreign, direct import

3.9 Create Customer Order Invoice

Create a preliminary Customer Order Invoice. The Acquisition Origin value for each invoice item is automatically fetched from the customer order but can be manually changed as long as the invoice is in "Preliminary" status.

Customer Invoice BRCUST1 - Brazilian Customer 1 - 970000005 - CUSTORDDEB - P10490

Customer No: BRCUST1, Customer Address Name: Brazilian Customer 1, Series ID: CD, Invoice No: 970000005, Company: EABR1, Site: BR1, Invoice Date: 2019-11-04

Amounts: Currency: USD, Gross Amt: 480,00, Net Amt: 384,00, Tax Amt: 96,00, Currency Rate: 3, Tax Currency Rate: 3

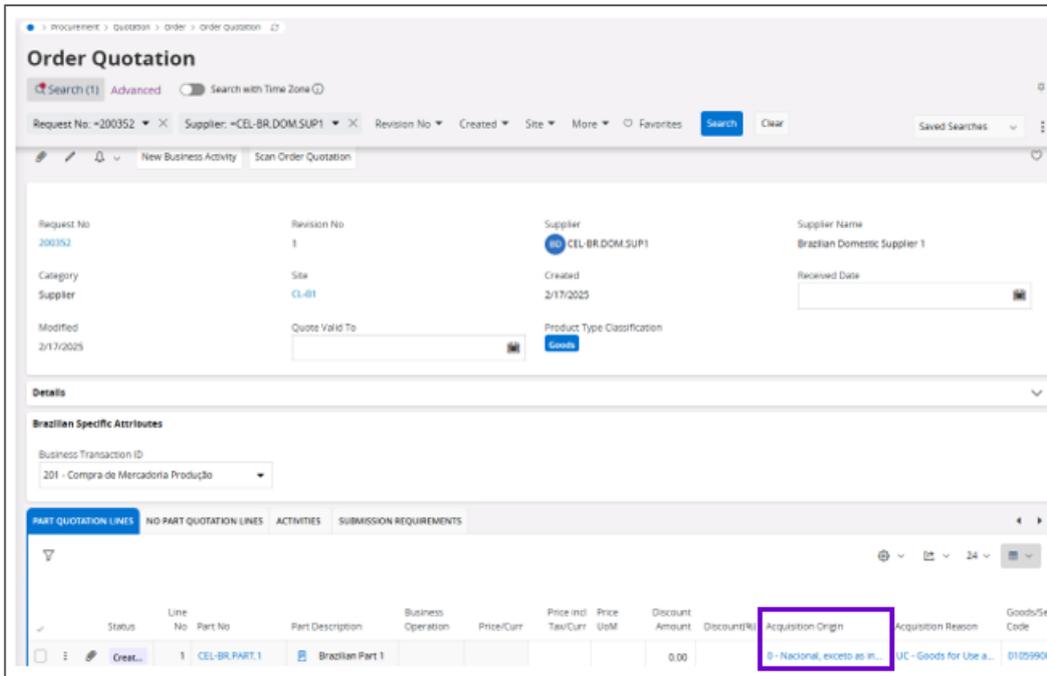
Pos	Invoice Item	Description	Invoiced Qty	Sales UoM	Price Qty	Price UoM	Sales Price/Curr	Sales Price Incl Tax/Curr	Acquisition Origin
1	165	Remote control, Radio	1	pcs	1	pcs	400,00	500,00	1 - Foreign, direct import

3.10 Generate NF-e XML file

Acquisition Origin will be included in the NF-e XML file for each item. See further information in the *Outgoing Nota Fiscais* chapter and in the *Appendix* for the mapping between IFS and XML file.

3.11 Create Order Quotation

Create an Order Quotation header with part lines in the *Procurement/Order/Order Quotation* page. The default value for Acquisition Origin per each part line will be fetched from the Purchase Part but can be manually changed.



Order Quotation

Request No: 200352 | Supplier: CEL-BR.DOM.SUP1 | Revision No: 1 | Site: CL-B1 | Created: 2/17/2023

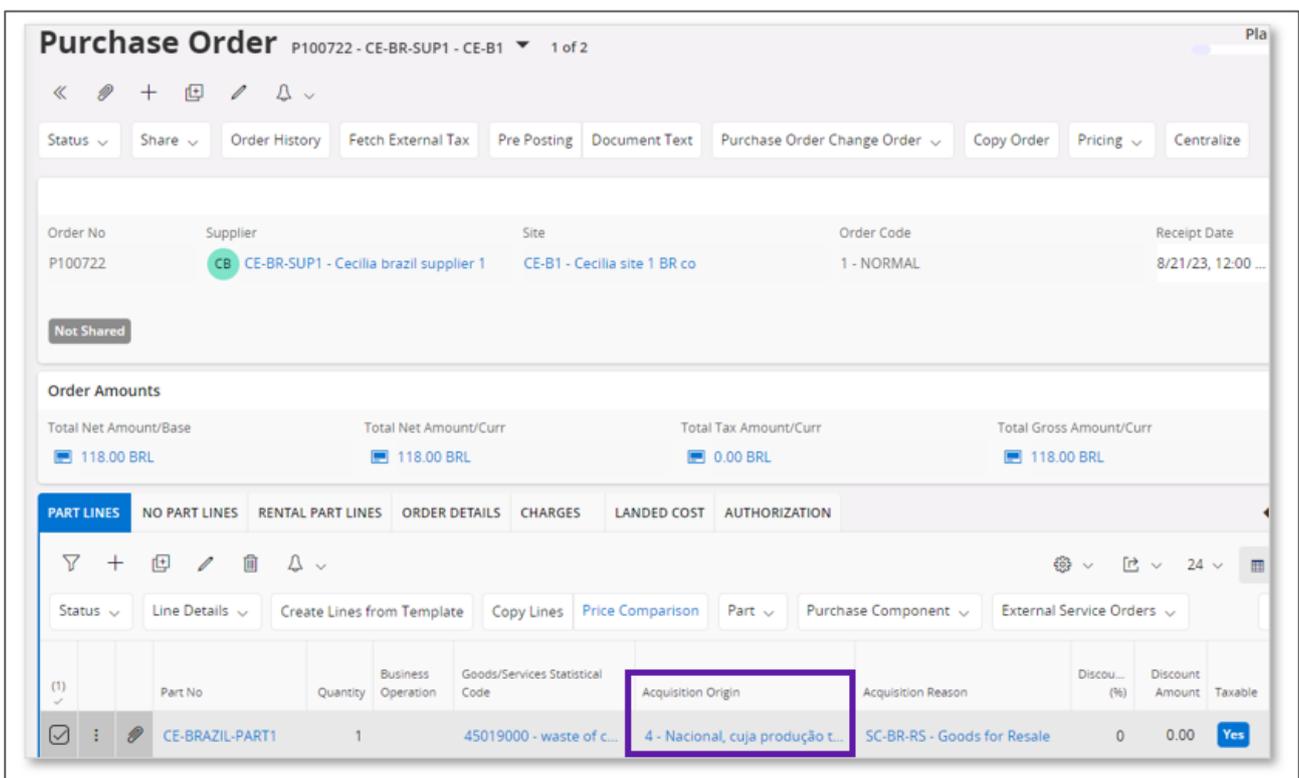
Supplier Name: Brazilian Domestic Supplier 1

Business Transaction ID: 201 - Compra de Mercadoria Produção

Status	Line No	Part No	Part Description	Business Operation	Price/Curr	Price incl Tax/Curr	Price Unit	Discount Amount	Discount%	Acquisition Origin	Acquisition Reason	Goods/Se Code
✓	1	CEL-BR.PART.1	Brazilian Part 1					0.00		3 - Nacional, exceto as in...	SC - Goods for Use a...	01059900

3.12 Enter Purchase Order

Enter a purchase order header with part lines in the **Procurement/Order/Purchase Order** page. The default value for Acquisition Origin per each order line will be fetched from the Purchase Part but can be manually changed. If the Purchase Order is created from an Order Quotation, the Acquisition Origin value for each order line is automatically fetched from the Order Quotation.



Purchase Order P100722 - CE-BR-SUP1 - CE-B1 | 1 of 2

Status: Not Shared

Order No: P100722 | Supplier: CE-BR-SUP1 - Cecilia brazil supplier 1 | Site: CE-B1 - Cecilia site 1 BR co | Order Code: 1 - NORMAL | Receipt Date: 8/21/23, 12:00 ...

Order Amounts

Total Net Amount/Base	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
118.00 BRL	118.00 BRL	0.00 BRL	118.00 BRL

(1)	Part No	Quantity	Business Operation	Goods/Services Statistical Code	Acquisition Origin	Acquisition Reason	Discou... (%)	Discount Amount	Taxable
✓	CE-BRAZIL-PART1	1		45019000 - waste of c...	4 - Nacional, cuja produção t...	SC-BR-RS - Goods for Resale	0	0.00	Yes

3.13 Tax Request to Avalara

Acquisition Origin will be included in the Avalara request file for each item. See further information in the *Appendix* for the mapping between IFS and Avalara.

3.14 Delimitations

No part lines, rental lines, and non-line connected charges are supported for the procurement flow. Furthermore, the flows Purchase Requisition and Purchase Order Change Order are not supported. For the Sales flow, rental lines and non-line connected charges are not supported.

4 Goods/Services Statistical Codes

4.1 Overview of Legal Requirement

NCM is the Brazilian classification system of goods, which determines the import duties and taxes needed to pay for a product. The codes are based on the international Harmonized System (HS) for classifying imported and exported products, but with 2 additional digits in the codes. The NCM code is mandatory information in the NF-e XML file.

The Service Code (Código de Serviço) is a standardized classification used to identify and categorize different types of services provided by businesses. This code is essential for the correct taxation of services, especially regarding the ISS (Imposto Sobre Serviços), which is a municipal tax applied to service providers.

Each service type is assigned a specific code according to the Lista de Serviços (Federal List LC 116) defined by Brazilian tax legislation. This list is detailed and includes a wide range of services. The correct application of the Service Code is crucial for calculating the appropriate tax rates and for the accurate issuance of Service Nota Fiscal.

In IFS Applications, the NCM Codes for the classification of Goods and Federal Service Codes for the classification of Services are handled with Goods/Services Statistical Codes functionality.

4.2 Process Overview

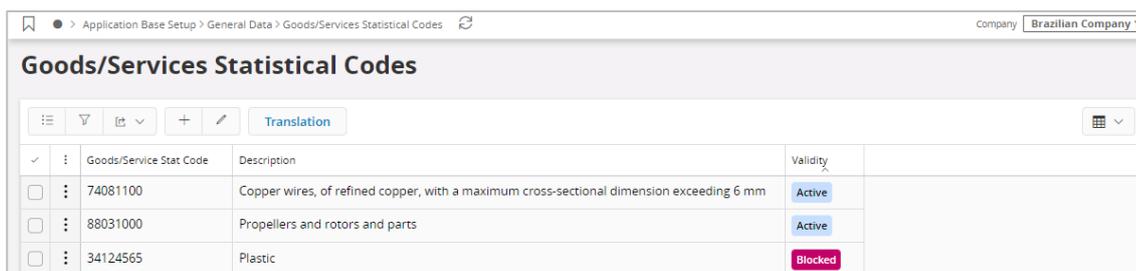


4.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Goods/Services Statistical Codes Definition per Company” Localization Control Center parameter must be enabled (mandatory for Brazil localization).

4.4 Enter Basic Data

Enter the NCM codes for your company in the **Application Base Setup/General Data/Goods/Services Statistical Codes** page.



Goods/Service Stat Code	Description	Validity
74081100	Copper wires, of refined copper, with a maximum cross-sectional dimension exceeding 6 mm	Active
88031000	Propellers and rotors and parts	Active
34124565	Plastic	Blocked

4.5 Defining Goods/Services Statistical Codes via Master Part

In **Part Master Data/Master Part/Part** page, find the Part No, then select the command button Brazilian Specific Attributes and connect the goods/service statistical code:

Brazilian Specific Attributes

» F060100 - Texas High Roller Overdrive1 ▼ 1 of 1

📎 ✎ 🔔 ▼

Part

F060100 - Texas High Roller Overdrive1

Product Type Classification	Cest Code	FCI Code
Resale	2105700	BD63D16B-1E41-4A9A-8048-374433F33F5B

Company: BNFx

🔍 + 📄 ✎ 🗑️

COMPANY DEFAULTS

Company	Goods/Services Statistical Code	Acquisition Origin
BNFX	85185000 -	0 - Nacional, exceto as indicadas nos código...

The Goods/Services Statistical Code connected in the Brazilian Specific Attributes for a given Part No will be copied to other part-related pages, if this part exists as Sales Part, Non-Inventory Sales Part, Inventory Part, and Purchase Part in application.

Optionally, a specific Goods/Services Statistical Code can be defined directly in the Sales Part, Non-Inventory Sales Part, Inventory Part, or Purchase Part, different from the one connected to the Master Part, if needed.

4.6 Connect Goods/Services Statistical Codes to Sales Part, Purchase Part and Inventory Part

Connect the goods/service statistical code to sales parts in the **Sales/Part/Sales Part** page.

Sales Part > Sales Part

Sales Part 181 - Garage door handle, Belucci design - BR1

Inventory Part Availability Planning Complementary Parts Substitute Sales Part

Sales Part No: 181 Part Description in Use: Garage door handle, Belucci design

GENERAL DESCRIPTIONS CHARACTERISTICS CHARGES MAINTENANCE PART SPECIFIC OVERHEADS

Inventory Part

Part No	Description	Configurable	DOP
181	Garage door handle, Belucci design	No	No

Unit Of Measure

Inventory UoM	Inventory Conversion Factor	Price UoM	Price Conversion Factor
pcs	1	pcs	1

Inverted Conversion Factor: 1 Catch UoM

Pricing

Price	Price Including Tax	Expected Average Price
200,00 BRL	200,00 BRL	

Rental Price Including Tax: 0,00 BRL

GTIN

GTIN GTIN Series

Indicators

Goods/Services Statistical Code

Goods/Services Statistical Code

74081100 - Copper wires, of r...

Attachments

Connect the goods/service statistical code to purchase parts in the **Procurement/Part/Purchase Part** page.

Purchase Part CE-BRAZIL-PART1 - Cecilia part 1 in Brazil - CE-B1 1 of 7

Supplier for Part Inventory Part Document Text Alternate Purchase Parts Create Sales Part

Part No: CE-BRAZIL-PART1 Part Description in Use: Cecilia part 1 in Brazil Site: CE-B1

Notes

GENERAL CHARACTERISTICS DESCRIPTIONS SUPPLIERS SUPPLIER AGREEMENTS SUPPLIER SPLIT DELIVERY OVERHEADS QUALITY REQUIREMENTS

Part Parameters

Indicators

Goods/Services Statistical Code

Goods/Services Statistical Code

45019000 - waste of cork

Over Delivery

Goods/Services Statistical Code for Manuf

Order Closing

Acquisition

Acquisition Reason: SC-BR-RS - Goods for Resale Acquisition Origin: 4 - Nacional, cuja produção tenha sido feita em conformidade com os processos prod...

Connect the goods/service statistical code to inventory parts in the **Warehouse Management/Part/Inventory Part** page.

Inventory Part

Advanced

Saved Searches ▼ ⋮

Inventory Part F060100	Part Description in Use * Texas High Roller Overdrive	Site SP01
Note		

MAIN
ALTERNATE PARTS
MATERIAL PRICE ELEMENTS
CHARACTERISTICS
MANUFACTURING

General	▼	Cost Control
Classification	▼	Identification
Counting	▼	Weight, Volume and C
Supply and Demand Controls	▼	Warranty
Lead Times and Supply Dates	▼	Putaway
Shelf Life	▼	Origin and Customs
Goods/Services Statistical Code		Supersession
<div style="border: 1px solid #ccc; padding: 2px;"> Goods/Services Statistical Code 85185000 - </div>		Acquisition

4.7 Connect Goods/Services Statistical Codes to Non-Inventory Sales Part

Connect the goods/service statistical code to non-inventory sales parts in the **Sales/Part/Non-Inventory Sales Part** page.

Non-Inventory Sales Part

Search (4) Advanced

Site: SP01 Sales Part No Sales Part Description Company More Favorites Search Clear

» F060900 - Potentiometer Adjustment Service - SP01 1 of 4

Complementary Parts Document Text Connect Services Customer Warranty

Sales Part No	Part Description in Use	Site	Sales Type *	Category *
F060900	Potentiometer Adjustment Service	SP01	Sales Only	Service

GENERAL DESCRIPTIONS CHARACTERISTICS CHARGES

Intrastat Sourcing

Unit of Measure Grouping

Pricing Tax

GTIN Miscellaneous

Indicators Replacement Part

Goods/Services Statistical Code

Goods/Services Statistical Code

14.01 - Conserto, restauração, manutenção e conservação de máquinas, aparelhos, equipamentos...

4.8 Enter Business Opportunity

Enter a Business Opportunity header with lines in the **Relationship Management/Customer Relationship Management/Business Opportunity/Business Opportunity** page. Select a Sales Part with the Goods/Services Statistical Codes connected.

When the Sales Part is entered to the Business Opportunity line, the column for Goods/Services Statistical Code will automatically be filled with the Goods/Services Statistical Code connected to the Sales Part. User can edit the Business Opportunity line and manually change the Goods/Services Statistical Code.

Business Opportunity

Search (26+) Advanced

Status Opportunity No Description Company: STDBRAZIL Business Type Sales Process State Entered More Favorites Search Clear Saved Searches

» Opportunity for Brazil customer (ID: 602) 3 of 26+ Unconfirmed

Status Confirm Sales Process New Business Activity Create Document from Template Copy Opportunity Document Text Access Print Opportunity Change Account

General Information

LINES INVOLVED PARTIES ACTIVITIES ADDITIONAL INFO REFERENCES MAIN/ALTERNATE INFO

Revision No: 0

Create Revision Won Partially Won Lost

Revision Information

Delivery Address Document Address

Economic Information

Opportunity Lines

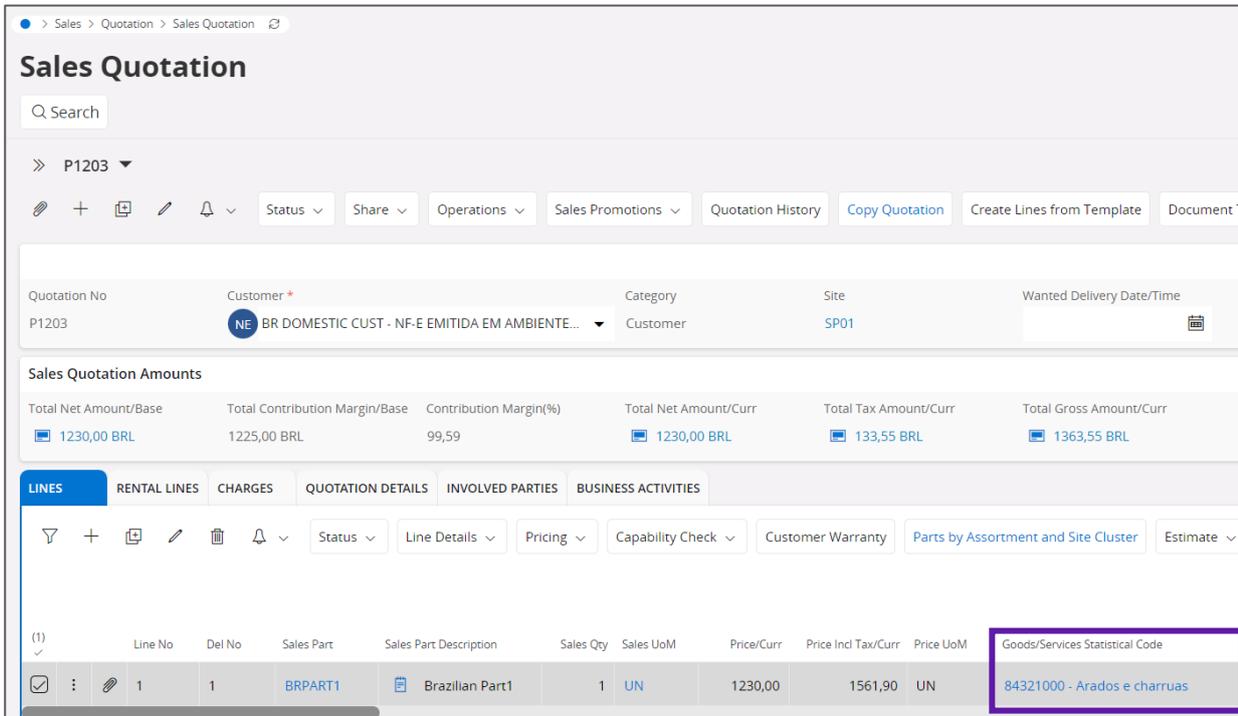
Update External Taxes Status Guided Selling Line Details New Estimate Manage Contribution Margin Document Text

Line No	Site	Sales Part No	Description	Sales Qty	Sales UoM	Acquisition Reason ID	Business Transaction ID	Goods/Services Statistical Code	Acquisition Origin
1	Site SP01	BRPART1	Brazilian Part1	10	UN	RS - Goods for Resale	103 - Outras Saidas	84321000 - Arados e charruas	0 - Nacional, exceto as indicadas nos codigos 3, 4, 5 e 8.

4.9 Enter Sales Quotation

Enter a Sales Quotation header with lines in the **Sales/Quotation/Sales Quotation** page. Select the above Sales Part with the Goods/Services Statistical Codes connected.

When the Sales Part is entered into the Sales Quotation line, the column for Goods/Services Statistical Code will automatically be filled with the Goods/Services Statistical Code connected to the Sales Part. The user can edit the Sales Quotation line and manually change the Goods/Services Statistical Code.



The screenshot shows the 'Sales Quotation' interface. At the top, there is a search bar and a dropdown menu for 'P1203'. Below this, there are several tabs: 'Status', 'Share', 'Operations', 'Sales Promotions', 'Quotation History', 'Copy Quotation', 'Create Lines from Template', and 'Document'. The main content area displays the quotation details, including the Quotation No (P1203), Customer (BR DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE...), Category (Customer), Site (SP01), and Wanted Delivery Date/Time. Below this, there is a section for 'Sales Quotation Amounts' with a table showing various financial metrics. The 'LINES' tab is selected, and a table of quotation lines is displayed. The table has columns for Line No, Del No, Sales Part, Sales Part Description, Sales Qty, Sales UoM, Price/Curr, Price Incl Tax/Curr, Price UoM, and Goods/Services Statistical Code. The first line is highlighted, and the 'Goods/Services Statistical Code' column is highlighted with a purple box, showing the value '84321000 - Arados e charruas'.

Line No	Del No	Sales Part	Sales Part Description	Sales Qty	Sales UoM	Price/Curr	Price Incl Tax/Curr	Price UoM	Goods/Services Statistical Code
1	1	BRPART1	Brazilian Part1	1	UN	1230,00	1561,90	UN	84321000 - Arados e charruas

4.10 Enter Customer Order

Enter a customer order header with lines in the **Sales/Order/Customer Order** page (standard functionality). Then, enter a customer order line and select the above Sales Part with the “Goods/Services Statistical Codes” connected.

When the Sales Part is entered into the Customer Order line, the column for Goods/Services Statistical Code will automatically be filled with the Goods/Services Statistical Code connected to the Sales Part. The user can edit the Customer Order line and manually change the Goods/Services Statistical Code. If the Customer Order is created from a Sales Quotation, the Goods/Services Statistical Code value for each order line is automatically fetched from the Sales Quotation.

Customer Order S10018

[Status](#) [Share](#) [Operations](#) [Freight](#) [Invoice](#) [Related Pages](#) [Copy Order](#) [Order History](#)

Order No	Customer	Site	Order Type	Wanted Delivery Date...
S10018	D DU:BR-1 - DU:BR-1	DUBR1	NO	7/15/20, 12:00 AM

Order Amounts

Total Net Amount/Base	Total Contribution Ma...	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/C...
0.00 BRL	0.00 BRL	0.00	0.00 BRL	0.00 BRL	0.00 BRL

[LINES](#) [RENTAL LINES](#) [ORDER DETAILS](#) [CHARGES](#) [INVOLVED PARTIES](#)

[+](#) [-](#) [Save](#) [Cancel New](#)

(1) ✓	Line No	Del No	Sales Part No	Sales Part Description	Sales Qty	Sales UoM	Goods/Services Statistical Code
<input checked="" type="checkbox"/>			DU:BR:INV:1	DU:BR:INV:1	1	PCS	1214574314 - Plas...

4.11 Create Customer Order Invoice

Process the Customer Order and create a preliminary Customer Invoice. The Goods/Services Statistical Code value for each invoice line is automatically fetched from the Customer Order. User can edit the invoice line and manually change the Goods/Services Statistical Code as long as the invoice is in "Preliminary" status.

Customer Invoice DU:BR-1 - DU:BR-1 - 205011 - CUSTORDDEB - S10018 1 of 1

[Share](#) [Cancel Preliminary Invoice](#) [Posting](#) [Installment Plan and Discounts](#) [Notes](#) [Send Electronic Fiscal Note](#)

Customer No	Customer Address Na...	Series ID	Invoice No	Company	Site	Invoice Created	Order Created
D DU:BR-1	DU:BR-1	PR	205011	DU:BRAZIL-01	DUBR1	7/15/2020	7/15/2020

Amounts

Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	136.11	100.00	36.11	1	1

[LINES](#) [GENERAL](#) [NF-E INFORMATION](#) [HISTORY](#)

[☰](#) [☼](#) [☰](#) [✎](#)

✓	:	ype	Tax Code	Tax Calculation Structure	Business Operation	Acquisition Origin	Goods/Services Statistical Code	Tax (%)	Multiple Tax Lines
<input type="checkbox"/>	:			BRTS-1			DU:ST:C:0001 - DU:ST:...		Yes

4.12 Generate NF-e XML file

In the final step of the process, NF-e xml should be created from the **Outgoing Nota Fiscal** page and send to the tax authority. The Goods/Services Statistical Code (NCM) connected to the Customer Invoice line is a part of the information to be included in the NF-e xml.

See further information in the *Outgoing Nota Fiscals* chapter and in the *Appendix* for the mapping between IFS and XML file.

4.13 Connect Goods/Services Statistical Codes to Report Codes

Connect the Goods/Service Statistical Code to Report Codes in the **Project Management/Project Basic Data/Report Codes/Report Code Details** page.



(1)	Report Code	Report Code Name	Report Code Type	Report Code Group ID	Create Cost Accounting	Invoicability	Taxable	Tax Code	Tax Class	Delivery Type	Transfer/Deductible Tax	Goods/Services Statistical Code	Valid From	Valid To
<input checked="" type="checkbox"/>	T01	Time	Time		Yes	Invoiceable	Yes	0 - Tax 0%			No	1.01 - Análise e desenvolvimento de sistemas	12/1/2023	12/31/9999

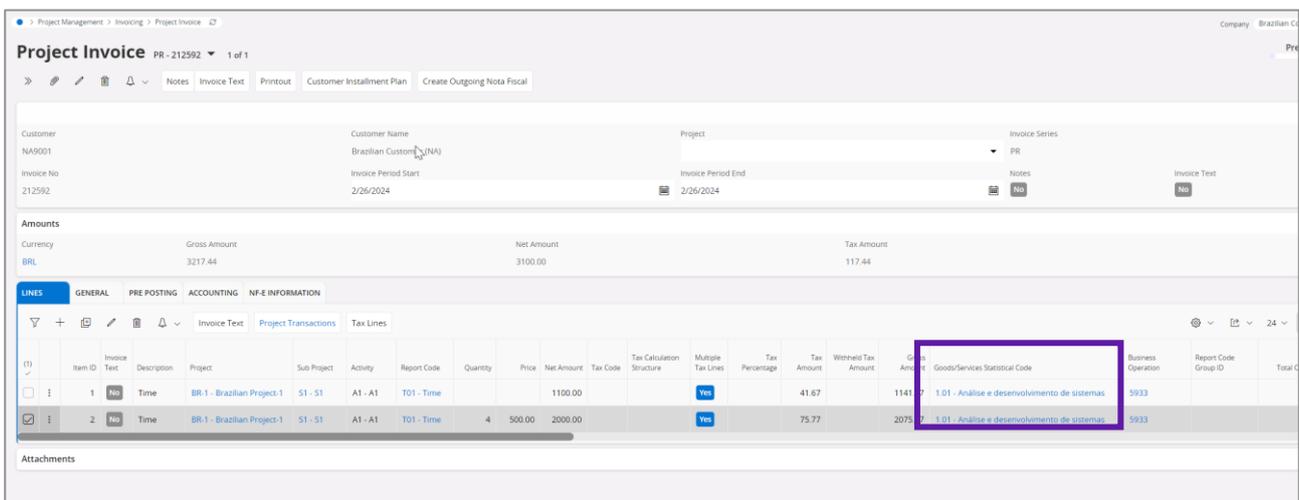
4.14 Enter Invoicing Plan/Project Transaction

Enter an Invoicing Plan/Project Transaction using standard functionality. When entering the Invoicing Plan/Project Transaction select the above Report Code with the “Goods/Services Statistical Codes” connected.

4.15 Create Project Invoice

Create a preliminary Project Invoice. The Goods/Services Statistical Code value for each invoice line is automatically fetched from the Report Code. User can edit the invoice line and manually change the Goods/Services Statistical Code as long as the invoice is in “Preliminary” status and no Outgoing Nota Fiscals are created for the Project Invoice.

See further information in the *Outgoing Nota Fiscals* chapter.



(1)	Item ID	Invoice Text	Description	Project	Sub Project	Activity	Report Code	Quantity	Price	Net Amount	Tax Code	Tax Calculation Structure	Multiple Tax Lines	Tax Percentage	Tax Amount	Withheld Tax Amount	Goods/Services Statistical Code	Business Operation	Report Code Group ID	Total C
<input type="checkbox"/>	1	No	Time	BR-1 - Brazilian Project-1	S1 - S1	A1 - A1	T01 - Time		1100.00				Yes		41.67	1141.67	1.01 - Análise e desenvolvimento de sistemas	5933		
<input checked="" type="checkbox"/>	2	No	Time	BR-1 - Brazilian Project-1	S1 - S1	A1 - A1	T01 - Time	4	500.00	2000.00			Yes		75.77	2075.77	1.01 - Análise e desenvolvimento de sistemas	5933		

4.16 Create Order Quotation

Create an order quotation header with part lines in the **Procurement/Order/Order Quotation** page (standard functionality). Then enter an order quotation part line and select the Purchase Part with the “Goods/Services Statistical Codes” connected.

When the Purchase Part is entered to the Order Quotation line, the column Goods/Services Statistical Code will automatically be filled with the Goods/Services Statistical Code connected to the Purchase Part.

User can edit the Purchase Order line and manually change the Goods/Services Statistical Code.

4.17 Enter Purchase Order

Enter a purchase order header with part lines in the **Procurement/Order/Purchase Order** page (standard functionality). Then enter a purchase order part line and select the Purchase Part with the “Goods/Services Statistical Codes” connected.

When the Purchase Part is entered to the Purchase Order line, the column Goods/Services Statistical Code will automatically be filled with the Goods/Services Statistical Code connected to the Purchase Part.

User can edit the Purchase Order line and manually change the Goods/Services Statistical Code. If the Purchase Order is created from an Order Quotation, the Acquisition Origin value for each order line is automatically fetched from the Order Quotation.

4.18 Tax Request to Avalara

The Goods/Services Statistical Code (NCM) connected to the Order Quotation Line and/or Purchase Order Line is a part of the information to be included in the Request file sent to Avalara.

See further information in the *Appendix* for the mapping between IFS and Avalara.

4.19 Delimitations

Connection of Goods/Services Statistical Codes is limited to Sales Parts, Purchase Parts, Inventory Parts and Report Codes in this version.

Project Invoicing for the provision of services is supported in this Project Invoice – Initial Solution. Project Invoicing flows not supported in this Project Invoice – Initial Solution are:

- Project Invoicing for sale of goods.
- Credit Project Invoices and Project Correction Invoices.

5 Brazilian Specific Fiscal Attributes

5.1 Overview of Legal Requirement

The **Business Transaction Code** is required in the 3rd party tax calculation engine in order to properly identify the business scenario details performed and return calculated tax amounts, as well as other relevant tax-related information in accordance.

The **Product Type** is the tax classification of goods. This is a methodology used in Brazil to standardize the goods in groups, providing the possibility to classify the groups and assign them the taxes and regulations. Product Type is required in 3rd party tax calculation engine to properly identify the group in which the good is framed into and return calculated tax amounts as well as other relevant tax-related information. This classification is also needed when submitting the Taxes Reporting to Brazilian Tax Authority per period.

The **CEST** is the Tax Substitution Specifier Code that identifies products framed in Tax Substitution protocols. This is used by the 3rd party tax calculation engine as one of the possible ways to find the set of taxes for a good (with EAN and Harmonized Codes - NCM).

This code is also needed in the xml files for Nota Fiscais as well as when submitting the Taxes Reporting to the Brazilian Tax Authority per period.

The **Acquisition Reason** is used by the customers and recipients of Nota Fiscal when applying for a given good. This is required for 3rd party tax calculation engine in order to properly identify the business scenario details performed and return calculated tax amounts, with other relevant tax-related information accordingly.

5.2 Process Overview Sales

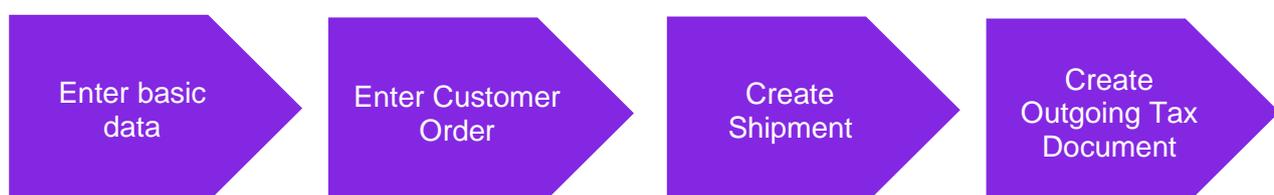
5.2.1 PROCESS OVERVIEW WITH CUSTOMER ORDER SALES OF GOODS



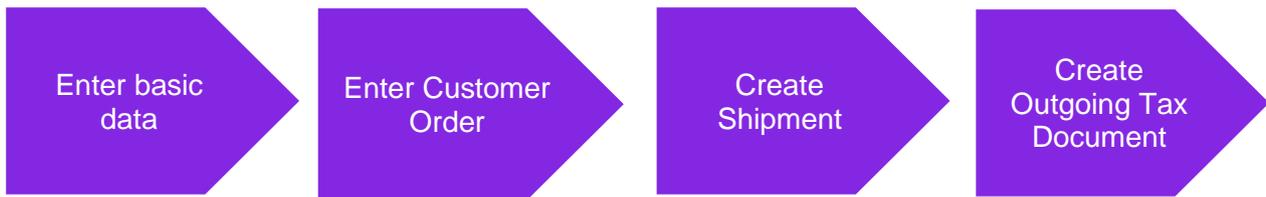
5.2.2 PROCESS OVERVIEW WITH PROJECT INVOICE – INITIAL SOLUTION



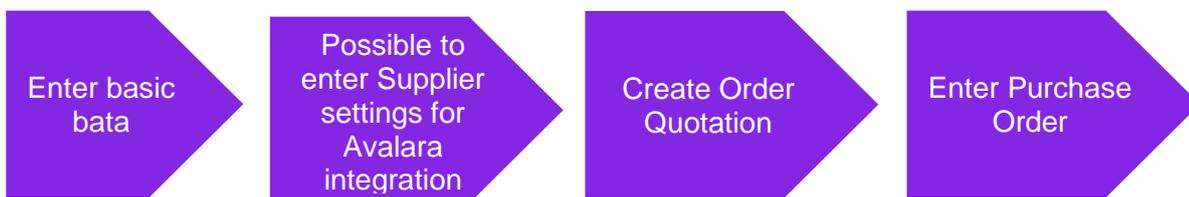
5.2.3 PROCESS OVERVIEW – SALES FOR FUTURE DELIVERY



5.2.4 PROCESS OVERVIEW – TRIANGULAR SALES

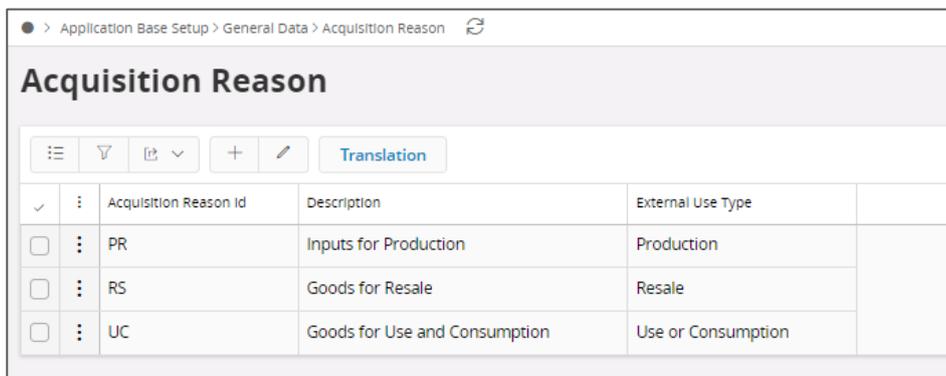


5.3 Process Overview Procurement



5.4 Enter Basic Data

Navigate to the **Acquisition Reason** page available in Application Base Setup/General Data/Acquisition Reason. Enter the Acquisition Reason ID, description and choose External Use Type from the dropdown list.



✓	:	Acquisition Reason Id	Description	External Use Type
<input type="checkbox"/>	:	PR	Inputs for Production	Production
<input type="checkbox"/>	:	RS	Goods for Resale	Resale
<input type="checkbox"/>	:	UC	Goods for Use and Consumption	Use or Consumption

Navigate to the **Business Transaction Codes** page available in *Application Base Setup/General Data/Business Transaction Code*. Enter *Business Transaction ID*, description, and direction (Inbound/Outbound). Choose Presence Type from the dropdown list and Acquisition Reason from the list of values and enter the reference string in the field External Tax System Reference.

For example, in procurement flow, the Direction should be Inbound and to get the Avalara Tax Integration to work, the Business Transaction ID needs to be connected to an External Tax System Reference as for example, StandardPurchase. Also, Presence Type is needed. The value set for Acquisition Reason Id will be used as the default value on Order Quotation Lines and/or Purchase Order Lines if the value is missing on the Purchase Part.

Application Base Setup > General Data > Business Transaction Code Company BLUE NOTE GU

Business Transaction Codes

Business Transaction Id	Description	Direction	Presence Type	Acquisition Reason Id	External Tax System Reference
100	Standard Sales	Outbound	Presence-Onsite	UC	standardSales
101	Domestic Sales	Outbound	Presence-Onsite	RS	standardSales
200	Transfer of Goods - Intersite	Outbound	Presence-Offsite	RS	itemTransferShippingOutbound
500	Domestic Purchases	Inbound	Phone		
600	Receipt of Goods - Intersite	Inbound	Internet		

The column Connected Business Transaction ID supports scenarios in which a second Nota Fiscal must be created for the same transaction — specifically the Sales for Future Delivery and Triangular Sales scenarios.

Validations for Connected Business Transaction ID:

- The Business Transaction ID must be outbound for sales related flows.
- The Connected Business Transaction ID must be unique and cannot match the primary Business Transaction ID.
- A Connected Business Transaction ID cannot be assigned to multiple Business Transaction IDs.

Application Base Setup > General Data > Business Transaction Code Company Brazil STD - PLEASE DONT CHANGE THE SETUP IN THIS COMPANY

Business Transaction Codes

Business Transaction ID	Description	Direction	Presence Type	Acquisition Reason ID	External Tax System Reference	Tax Only Invoice	Connected Business Transaction ID
300	TRIANGULAR SALES: INVOICE	Outbound	Non-Presence	RS	dropshipSalesShippersInvoicetoSeller	No	350
350	TRIANGULAR SALES; DISPATCH	Outbound	Non-Presence	RS	dropshipSalesSellersInvoiceToFinalBuye...	No	
750	SALES FOR FUTURE DELIVERY: INVOICE	Outbound	Non-Presence	RS	dropshipSalesShippersInvoicetoSeller	No	850
850	SALES FOR FUTURE DELIVERY: DISPATCH	Outbound	Non-Presence	RS	dropshipSalesSellersInvoiceToFinalBuye...	No	

Business Transaction Code is introduced as a new Control Type for IP4, M28, M295, M296, M30, M31, M297 and M307 Posting Types.

Accounting Rules > Posting Rules > Posting Control

Posting Control

Posting Type | Code Part Name | Control Type : C128 | More | Favorites | Clear | Settings

✓	:	Posting Type	Code Part Name	Control Type
<input type="checkbox"/>	:	IP4 - Tax Disbursed, Invoice	Account	C128 - Business Transaction Code
<input type="checkbox"/>	:	M28 - Taxable Sales	Account	C128 - Business Transaction Code
<input type="checkbox"/>	:	M295 - Tax in Sales Revenue	Account	C128 - Business Transaction Code
<input type="checkbox"/>	:	M296 - Tax Deduct from Gross Revenue	Account	C128 - Business Transaction Code

Accounting Rules > Posting Rules > Posting Control > Posting Control Details

Posting Control Details

IP4 - Account - C128 | 1 of 1

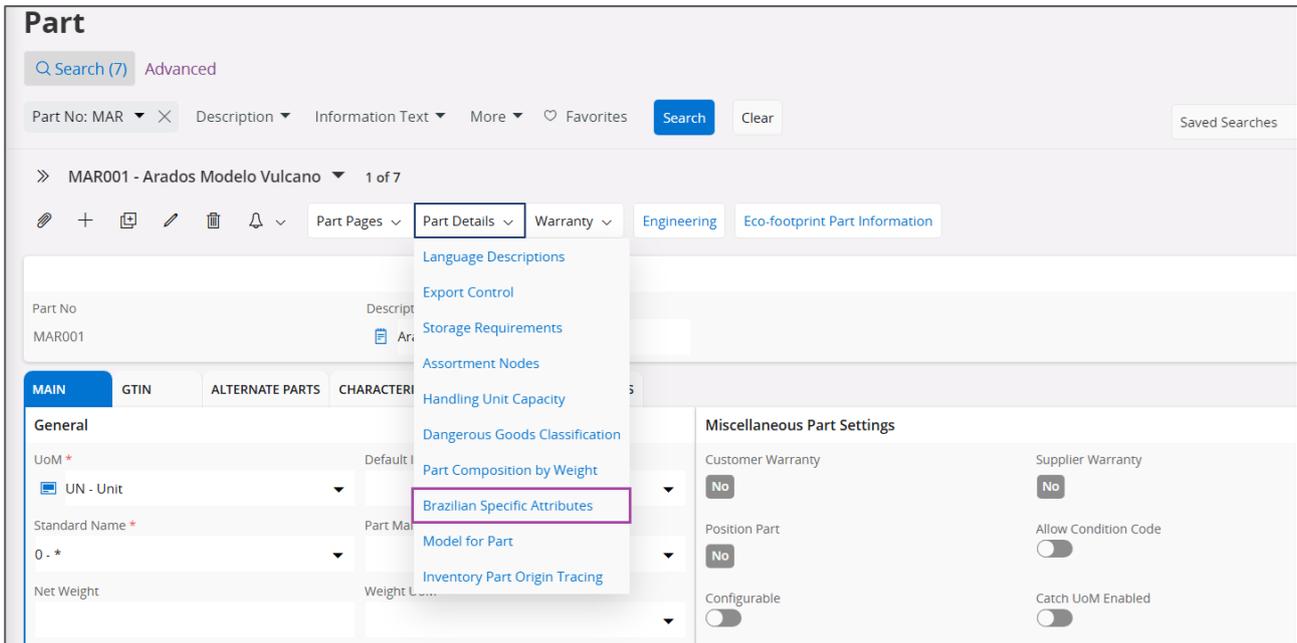
IP4
Code Part Name: Account
Control Type: C128

Posting Type: IP4 | Code Part Name: Account | Control Type: C128

Default Value No CT Value | Valid From: 10/2/2021

✓	:	Business Transaction Code	Description	Account
<input type="checkbox"/>	:	100	Standard Sales	2610 - Output VAT, not reduced
<input type="checkbox"/>	:	120	Exportation	2611 - Output VAT on sales in Sweden, not reduced

To enter Product Type Classification, CEST and FCI Hash Code for the parts, select “Brazilian Specific Attributes” in the **Part Master Data/Master Part/part** page, command group **Part Details**.



On the Brazilian Specific Attributes page, select the appropriate **Product Type Classification** for the part from the dropdown menu. The value selected for the part is integrated to external tax system and will be used for Brazilian tax reporting.

For the Purchasing flow it is mandatory to set the **Product Type Classification** for the part as either Goods or Services to run Avalara. This value can be changed, however if changed open order will not be affected meaning they will not be updated with the new classification. If classification of a part is missing, then user tries to fetch external taxes from Avalara a warning will be triggered.

The 7-digit code from the official CEST list (provided by the Brazilian Government) which fits the part can be set in the **CEST Code** field.

Next, enter the FCI Hash Code in the **FCI Code** field and save the record. The FCI (Import Content File) hash code is provided by Brazilian Tax Authority for parts containing coefficient of imported inputs in manufacturing process.

Brazilian Specific Attributes

Q Search (!)

» MAR001 - Arados Modelo Vulcano ▼ 1 of 1

   ▼

Part
MAR001 - Arados Modelo Vulcano

Product Type Classification	Cest Code	FCI Code
Finished Product ▼	2899900	BD63D16B-1E41-4A9A-8048-374433F33F5B

The NCM codes and purpose for acquisition can also be defined at the Master Part level. On the Brazilian Specific Attributes page, select the appropriate NCM code to classify the part from the **Goods/Service Statistical Codes** dropdown list. Next, choose the option for the **Acquisition Origin** field and save the record. Once the record is saved, the application copies the configuration from the master part to all related part pages, such as Sales Part, Purchase Part, and Inventory Part.

In cases where the NCM code and purpose for acquisition may differ between purchase and sales process for the same part, these can be specifically defined directly in the Purchase Part and Sales Part pages, in **Goods/Service Statistical Codes** and **Acquisition Origin** fields.

Brazilian Specific Attributes

Q Search (!)

» MAR001 - Arados Modelo Vulcano ▼ 1 of 1

   ▼

Part
MAR001 - Arados Modelo Vulcano

...

Company: BNFX ▼

     Copy Values to all user companies

COMPANY DEFAULTS

Company	Goods/Services Statistical Code	Acquisition Origin
BNFX	84321000 - Arados e Charruas ▼	1 - Estrangeira - Importação direta, exceto a... ▼

The Acquisition Reason can also be defined in part level. Select it from list of values in the field **Acquisition Reason Id** in Sales Part and/or Purchase Part.

● > Sales > Part > Sales Part

Search *Advanced*

Site: SP01 Sales Part No Sales Part Description More Favorites Clear Settings

Sales Part F060100 - Texas High Roller Overdrive - SP01 1 of 5

Inventory Part Availability Planning Complementary Parts Substitute Sales Part Inventory Part Document Text

GENERAL	DESCRIPTIONS	CHARACTERISTICS	CHARGES	MAINTENANCE	PART SPECIFIC OVERHEADS
Inventory Part					Sourcing
Unit Of Measure					Grouping
Pricing					Tax
GTIN					Miscellaneous
Indicators					Replacement Part
Goods/Services Statistical Code					Acquisition Reason
					Acquisition Reason Id
					RS - Goods for Resale

Purchase Part SC-BR-IP1 - SC-BR-Inventory part1 - SCBR3 3 of 6

Supplier for Part Inventory Part Document Text Alternate Purchase Parts Create Sales Part

Part No SC-BR-IP1 Part Description in Use SC-BR-Inventory part1 Site SCBR3

Notes

GENERAL	CHARACTERISTICS	DESCRIPTIONS	SUPPLIERS	SUPPLIER AGREEMENTS	SUPPLIER SPLIT	DELIVERY OVERHEADS	QUALITY REQUIREMENTS
Part Parameters							Over Delivery
Indicators							
Goods/Services Statistical Code							Goods/Services Statistical Code for Manuf
Goods/Services Statistical Code							45019000 - Waste of cork
Order Closing							
Automatic Order Closing							Closing Tolerance (%)
							0
Acquisition							
Acquisition Reason							Acquisition Origin
SC-BR-RS - Goods for Resale							3 - Nacional, mercadoria ou bem com Conteúdo de Importação superior a 40% (quarenta por cento) e inferior ou L...

5.5 Enter Customer Settings for Avalara Integration

On the **Customer/Address/Delivery Tax Information**, there is a possibility to set a default Business Transaction Id that will be fetched when later creating the Sales Quotation/Customer Order. This will make it easier to not forget to add this value (as the Avalara integration doesn't work without this value). Also, it will save time when it is not needed to be set every time an order is created. Nevertheless, it is important to make sure that the value is correct when creating an order and a default value is used. The value can be changed if needed on the Sales Quotation/Customer Order.

Application Base Setup > Enterprise > Customer > Customer > Address

Address

Search (7)

IPBCU - IP Brazil Customer 7 of 7

Address ID: CU-AD2-DOC

End Customer

GENERAL ADDRESS INFORMATION DELIVERY TAX INFORMATION DOCUMENT TAX INFORMATION SALES ADDRESS INFORMATION

Company: STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY

IPD Tax Information

Tax Withholding * Tax Rounding Method * Tax Rounding Level * Business Transaction ID

Blocked Round to the Nearest Specified on company 104 - Venda de Serviço

5.6 Enter Sales Quotation

Follow standard functionality to enter a Sales Quotation. Select an option for Business Transaction ID in the corresponding field in **Sales Quotation/Quotation Details** tab, group Brazilian Specific Attributes. If a default value has been set on the Customer, this value will be shown here. It can be changed if needed.

Sales > Quotation > Sales Quotation

Sales Quotation

Search

P1203 Planned

Status Share Operations Sales Promotions Quotation History Copy Quotation Create Lines from Template

Sales Quotation Amounts

LINES RENTAL LINES CHARGES QUOTATION DETAILS INVOLVED PARTIES BUSINESS ACTIVITIES

General Delivery Address Document Address

Sales Quotation Dates Delivery Settings

Miscellaneous Invoice

Brazilian Specific Attributes

Business Transaction ID

100 - Standard Sales

5.7 Enter Sales Quotation Line

Enter the Sales Quotation lines. The Acquisition Reason is automatically fetched into the field **Acquisition Reason Id** when the line is saved. The fetching of Acquisition Reason Id to the Sales Quotation line is done in two ways:

1st – The Acquisition Reason Id value is inherited from the Business Transaction Id defined for the Sales Quotation.

2nd – If the Acquisition Reason Id is not set in the Business Transaction Id, then the value is retrieved from the Sales Part.

The Acquisition Reason ID can also be entered/modified manually if the Sales Quotation is not Closed.

Application Base Setup > General Data > Business Transaction Code

Company: STDBRAZIL - PLEA

Business Transaction Codes

Search

Translation

Business Transaction ID	Description	Direction	Presence Type	Acquisition Reason ID	External Tax System Reference
100	Standard Sales	Outbound	Presence-Onsite	RS	standardSales
101	Domestic Sales	Outbound	Presence-Onsite	RS	demonstrationShipping...

Sales > Quotation > Sales Quotation

Planned

P1203

Copy Quotation

Sales Quotation

Search

Sales Quotation Amounts

LINES

Line No	Del No	Sales Part	Sales Part Description	Sales Qty	Sales UoM	Price/Curr	Price Incl Tax/Curr	Price UoM	Acquisition Reason ID
1	1	BRPART1	Brazilian Part1	1	UN	1230,00	1561,90	UN	RS - Goods for Resale

5.8 Enter Customer Order

Follow standard functionality to enter a Customer Order. Select an option for Business Transaction ID in the corresponding field in **Customer Order/Order Details** tab, group Brazilian Specific Attributes. If a default value has been set on the Customer, this value will be shown here. It can be changed if needed.

Note: if the Customer Order is created for the *Triangular Sales* or *Sales for Future Delivery* scenarios, a Business Transaction ID which has a Connected Business Transaction ID must be used.

Customer Order P10739 1 of 15 Released

Order Amounts

ORDER DETAILS

Delivery Address

Document Address

Invoice

Order Picking

Shipment

Brazilian Specific Attributes

Business Transaction Id

100 - RCA BUSINESS TRANSACTION TEST

5.9 Enter Customer Order Line

Enter the Customer Order lines. The Acquisition Reason is automatically fetched into the field **Acquisition Reason Id** when the line is saved. The fetching of the Acquisition Reason Id to the Customer Order line is done in two ways:

1st – The Acquisition Reason Id value is inherited from the Business Transaction Id defined for the Customer Order.

2nd – If the Acquisition Reason Id is not set in the Business Transaction Id, then the value is retrieved from Sales Part.

The Acquisition Reason ID can also be entered/modified manually if the Customer Order is not Invoiced/Closed. If the Customer Order is created from a Sales Quotation, the Acquisition Reason ID value for each order line is automatically fetched from the Sales Quotation.

Application Base Setup > General Data > Business Transaction Code

Company: STDBRAZIL - PLEA

Business Transaction Codes

Search

Translation

Business Transaction ID	Description	Direction	Presence Type	Acquisition Reason ID	External Tax System Reference
100	Standard Sales	Outbound	Presence-Onsite	RS	standardSales
101	Domestic Sales	Outbound	Presence-Onsite	RS	demonstrationShipping...

Customer Order

Order No: V10015 | Customer: BR DOMESTIC CUST - NF-E EMITIDA EM AMBIEN... | Site: BR01 - Brazilian Company 01 | Order Type: BRL | Wanted Delivery Date/T...: 2024-10-04 00:00 UTC-3

Order Amounts

Total Net Amount/Base	Total Contribution Mar...	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
1230,00 BRL	1225,00 BRL	99,59	1230,00 BRL	133,55 BRL	1363,55 BRL

LINES | RENTAL LINES | ORDER DETAILS | CHARGES | INVOLVED PARTIES

Line No	Del No	Sales Part No	Sales Qty	Sales UoM	Price/Curr	Price Incl Tax/Curr	Price UoM	Acquisition Reason Id
1	1	BRPART1	1	UN	1230,00	1561,90	UN	RS - Goods for Resale

5.10 Connect Business Transaction ID to Project

Connect the Business Transaction ID to the Project in the **Project Management/Plan and Execute/Project Setup Parameters** page, group Brazilian Specific Attributes.

Project Setup Parameters

Project: BR-1 - Brazilian Project-1 | Company: BR01 - Brazilian Company 01 | Base Currency: BRL - Brazilian Real | Project Status: Approved

Manager: JACKIE - Jackie Stewart

Settings

Internal Rental Price List: Within Project | Material Allocation: Within Project | Misc Demand Component Planning Method: Manually Planned | Probability To Win: 100 %

Budgeting and Forecasting

Financially Responsible: No | Budget Control On: No | Control As Budgeted: No | Control On Total Budget: No

Month End Accruals

Default Cost Activity: [Dropdown]

Brazilian Specific Attributes

Business Transaction ID: 103 - Venda de Serviço

Project Specific Currency Rate Type for Accounting

Accounting Currency Rate Type: [Dropdown] | Accounting Currency Rate Type Category: [Dropdown]

Multi Currency Settings for Budgeting and Forecasting

Budget in Multi Currency: No | BF Currency Rate Type: [Dropdown] | BF Currency Rate Type Category: [Dropdown]

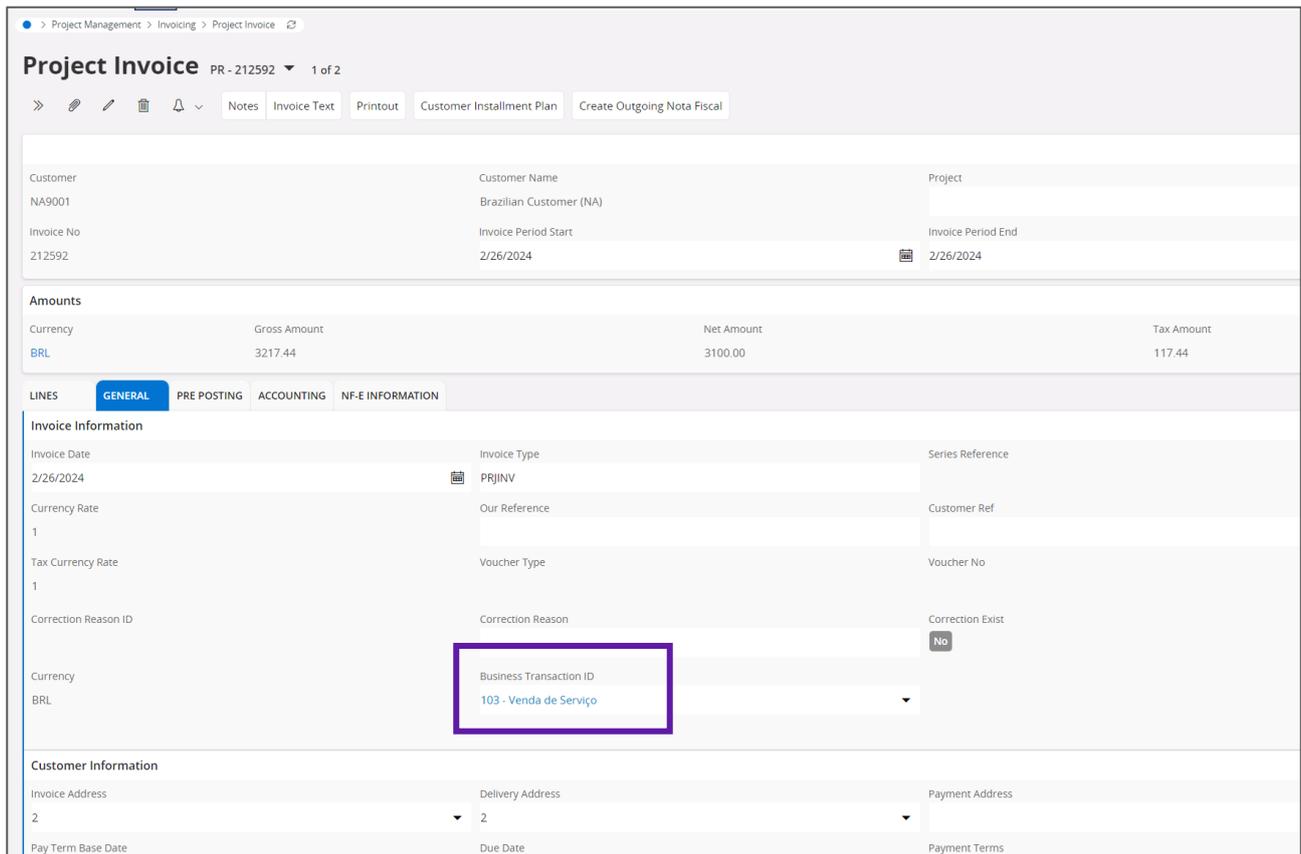
5.11 Enter Invoicing Plan/Project Transaction

Enter an Invoicing Plan/Project Transaction using standard functionality.

5.12 Create Project Invoice

Create a preliminary Project Invoice. The Business Transaction ID of the invoice is automatically fetched from the Project of the Invoicing Plan/Project Transactions included in the invoice. The user can edit the invoice and manually change the Business Transaction ID as long as the invoice is in “Preliminary” status and no Outgoing Nota Fiscals are created for the Project Invoice.

See further information in the *Outgoing Nota Fiscals* chapter.



Project Invoice PR - 212592 1 of 2

Customer: NA9001, Customer Name: Brazilian Customer (NA), Project: [Blank]

Invoice No: 212592, Invoice Period Start: 2/26/2024, Invoice Period End: 2/26/2024

Amounts			
Currency	Gross Amount	Net Amount	Tax Amount
BRL	3217.44	3100.00	117.44

GENERAL | PRE POSTING | ACCOUNTING | NF-E INFORMATION

Invoice Information

Invoice Date: 2/26/2024, Invoice Type: PRJINV, Series Reference: [Blank]

Currency Rate: 1, Our Reference: [Blank], Customer Ref: [Blank]

Tax Currency Rate: 1, Voucher Type: [Blank], Voucher No: [Blank]

Correction Reason ID: [Blank], Correction Reason: [Blank], Correction Exist: No

Currency: BRL, Business Transaction ID: 103 - Venda de Serviço

Customer Information

Invoice Address: 2, Delivery Address: 2, Payment Address: [Blank]

Pay Term Base Date: [Blank], Due Date: [Blank], Payment Terms: [Blank]

5.13 Enter Supplier Settings for Avalara Integration

On the **Supplier/Address/Delivery Tax Information**, there is a possibility to set a default Business Transaction ID that will be fetched when later creating the Order Quotation and/or Purchase Order. This will make it easier to not forget to add this value (as the Avalara integration doesn't work without this value). Also, it will save time when it is not needed to be set every time an order is created. Nevertheless, it is important to make sure that the value is correct when creating an order and a default value is used. The value can be changed if needed on the Order Quotation and/or Purchase Order.

Address SC-BR-SUP1 - SC-BR-Supplier1 ▾ 1 of 1

⏪ ✎ 🔔 ▾

Supplier	Name	Association No
SC-BR-SUP1	SC-BR-Supplier1	

Address ID: SC-BR-AD2 ▾

🔍 + 📄 ✎ 🗑️

Supplier's Own Address ID	Supplier Name	Supplier Branch

GENERAL ADDRESS INFORMATION **DELIVERY TAX INFORMATION** DOCUMENT TAX INFORMATION PURCHASE ADDRESS INFORMATION OUTBOUND ADDRESS INFORMATION

Company: SC-BR-COM1 - SC-BR-Company1 ▾

🔍 + 📄 ✎ 🗑️

Tax Calculation Structure ▾	ICMS Tax Payer <input type="checkbox"/>	Business Transaction Id ▾	Use Supplier Address for Tax <input checked="" type="checkbox"/>
-----------------------------	-----------------------------------------	---------------------------	------------------------------------------------------------------

5.13.1 ICMS TAXPAYER

ICMS Tax Payer is used both for sales flow and procurement flow. For the procurement flow, the value can be set in the **Supplier/Address/Delivery Tax Information** tab where it indicates that the supplier is an ICMS taxpayer for the specific address ID. (For the sales flow, read more in the chapter about Outgoing Nota Fiscal and the Define Basic Data part.)

Address CE-BR-SUP1 - CE Brazil supplier 1 ▾ 2 of 11

⏪ ✎ 🔔 ▾

Supplier	Name	Association No
CE-BR-SUP1	CE Brazil supplier 1	

Address ID: CE-BR-SADR1 ▾

🔍 + 📄 ✎ 🗑️

Supplier's Own Address ID	Supplier Name	Supplier Branch

GENERAL ADDRESS INFORMATION **DELIVERY TAX INFORMATION** DOCUMENT TAX INFORMATION PURCHASE ADDRESS INFORMATION

OUTBOUND ADDRESS INFORMATION

Company: CE-COMP-BRAZIL - Cecilia company with Brazil localization ▾

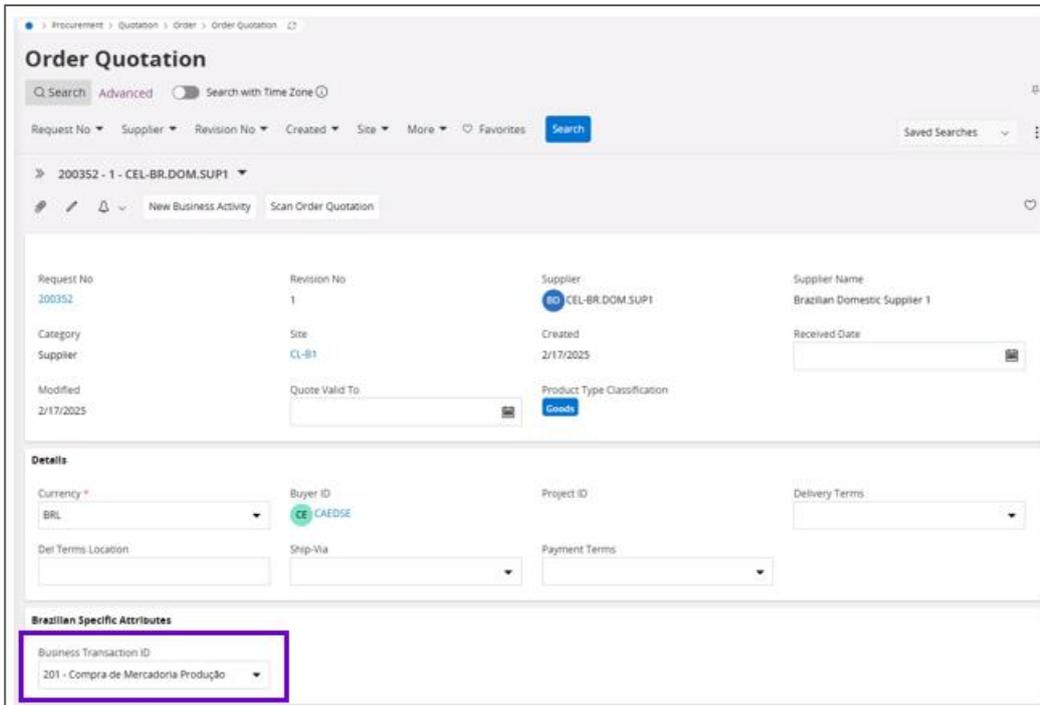
🔍 + 📄 ✎ 🗑️

Tax Calculation Str... **ICMS Tax Payer** Business Transaction Id Use Supplier Address for Tax

500 - Domestic Purchases

5.14 Create Order Quotation

Follow standard functionality to create an Order Quotation. Select an option for Business Transaction ID in the corresponding field in the **Order Quotation** page and Brazilian Specific Attributes group. If a default value has been set on the Supplier, this value will be shown here. It can be changed if needed.

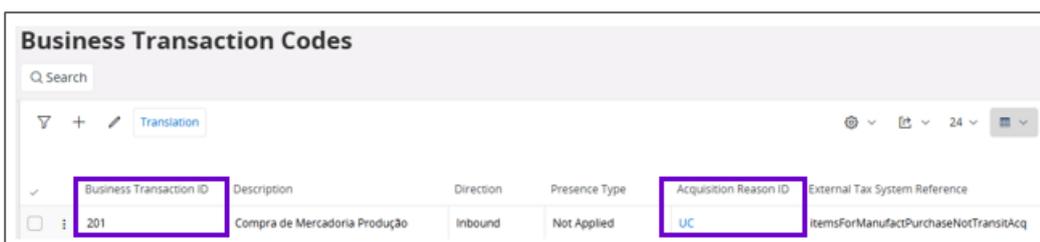


5.15 Create Order Quotation Line

Enter the Order Quotation lines. The Acquisition Reason is automatically fetched into the field **Acquisition Reason** when the line is saved. The fetching of Acquisition Reason to the Order Quotation line is done in two ways:

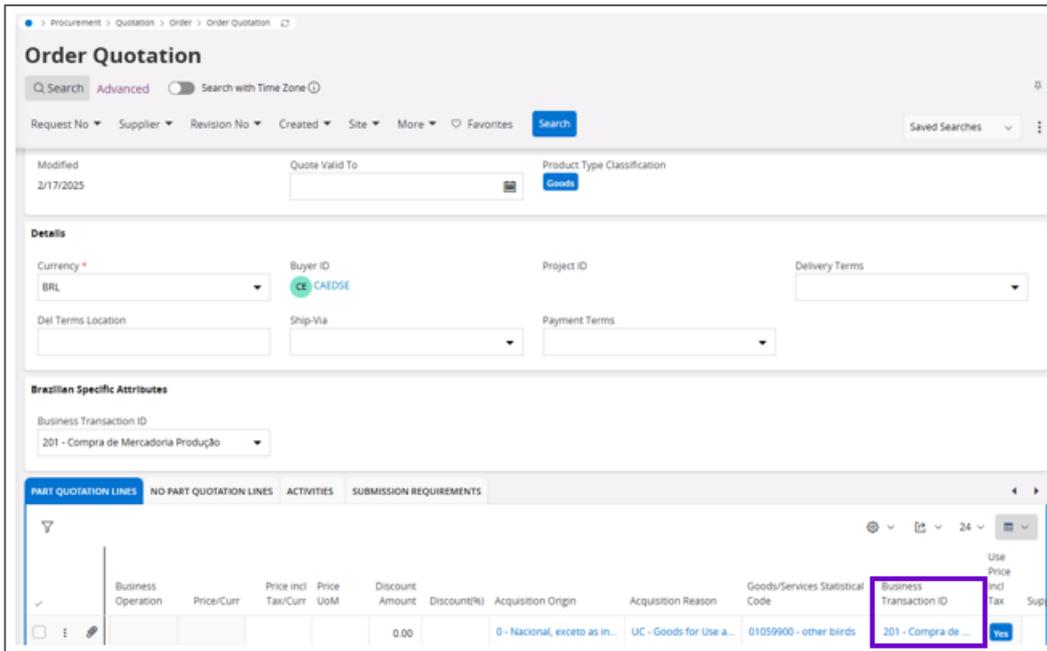
1st – The Acquisition Reason Id value is inherited from the Purchase Part if a default value exists.

2nd – If the Acquisition Reason ID is not set on the Purchase part, then the value is retrieved from the connected value set in the Order Quotation for Business Transaction ID.



Business Transaction ID	Description	Direction	Presence Type	Acquisition Reason ID	External Tax System Reference
201	Compra de Mercadoria Produção	Inbound	Not Applied	UJ	ItemsForManufactPurchaseNotTransitAcq

The Acquisition Reason Id can also be entered/modified manually if the Order Quotation is not Cancelled.



Order Quotation

Request No: [] Supplier: [] Revision No: [] Created: [] Site: [] More: [] Favorites: [] Search: [] Saved Searches: []

Modified: 2/17/2025 Quote Valid To: [] Product Type Classification: Goods

Details

Currency: BRL Buyer ID: CE-CAEDGE Project ID: [] Delivery Terms: []

Del Terms Location: [] Ship-Via: [] Payment Terms: []

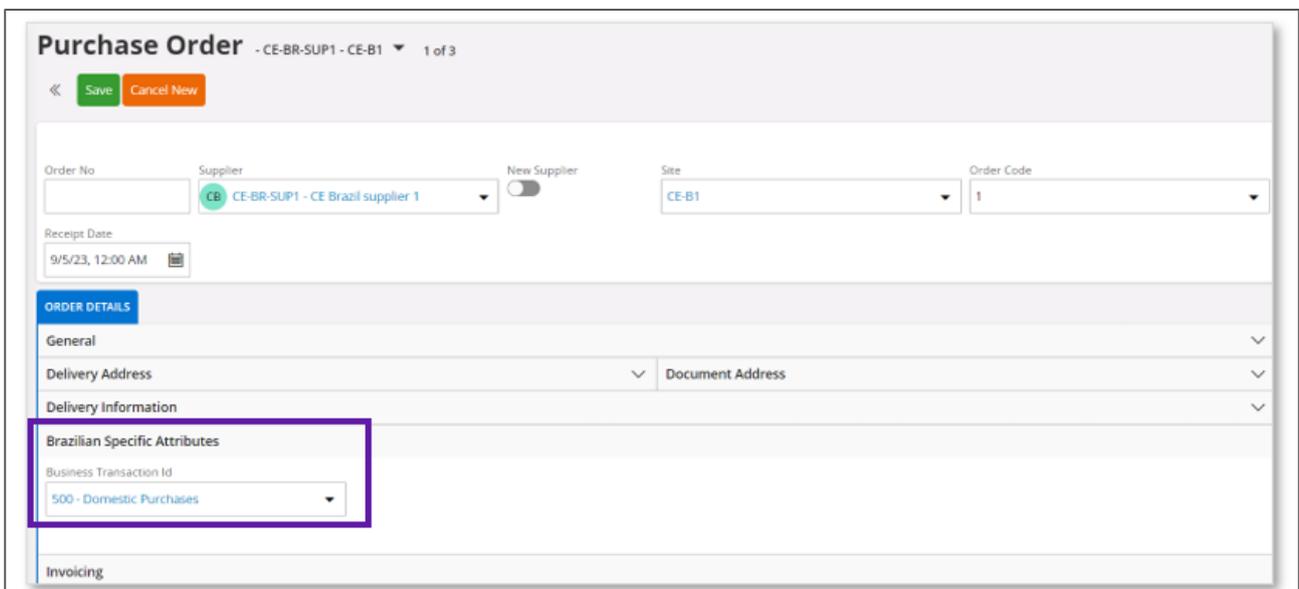
Brazilian Specific Attributes

Business Transaction ID: 201 - Compra de Mercadoria Produção

Business Operation	Price/Curr	Price Incl Tax/Curr	Price UoM	Discount Amount	Discount(%)	Acquisition Origin	Acquisition Reason	Goods/Services Statistical Code	Business Transaction ID	Use Price Incl Tax Sup
✓ []				0.00		0 - Nacional, exceto as in...	UC - Goods for Use a...	01059900 - other birds	201 - Compra de ...	Vis

5.16 Enter Purchase Order

Follow standard functionality to enter a Purchase Order. Select an option for Business Transaction ID in the corresponding field in **Purchase Order/Order Details** tab, group Brazilian Specific Attributes. If a default value has been set on the Supplier, this value will be shown here. It can be changed if needed.



Purchase Order - CE-BR-SUP1 - CE-B1 1 of 3

Save Cancel New

Order No: [] Supplier: CE-BR-SUP1 - CE Brazil supplier 1 New Supplier: [] Site: CE-B1 Order Code: 1

Receipt Date: 9/5/23, 12:00 AM

ORDER DETAILS

General []

Delivery Address [] Document Address []

Delivery Information []

Brazilian Specific Attributes

Business Transaction Id: 500 - Domestic Purchases

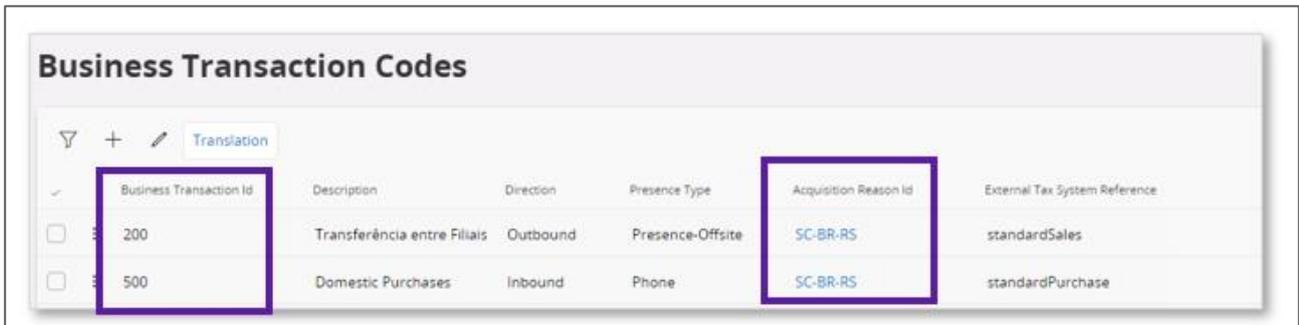
Invoicing []

5.17 Enter Purchase Order Line

Enter the Purchase Order lines. The Acquisition Reason is automatically fetched into the field **Acquisition Reason Id** when the line is saved. The fetching of the Acquisition Reason ID to the Purchase Order line is done in two ways:

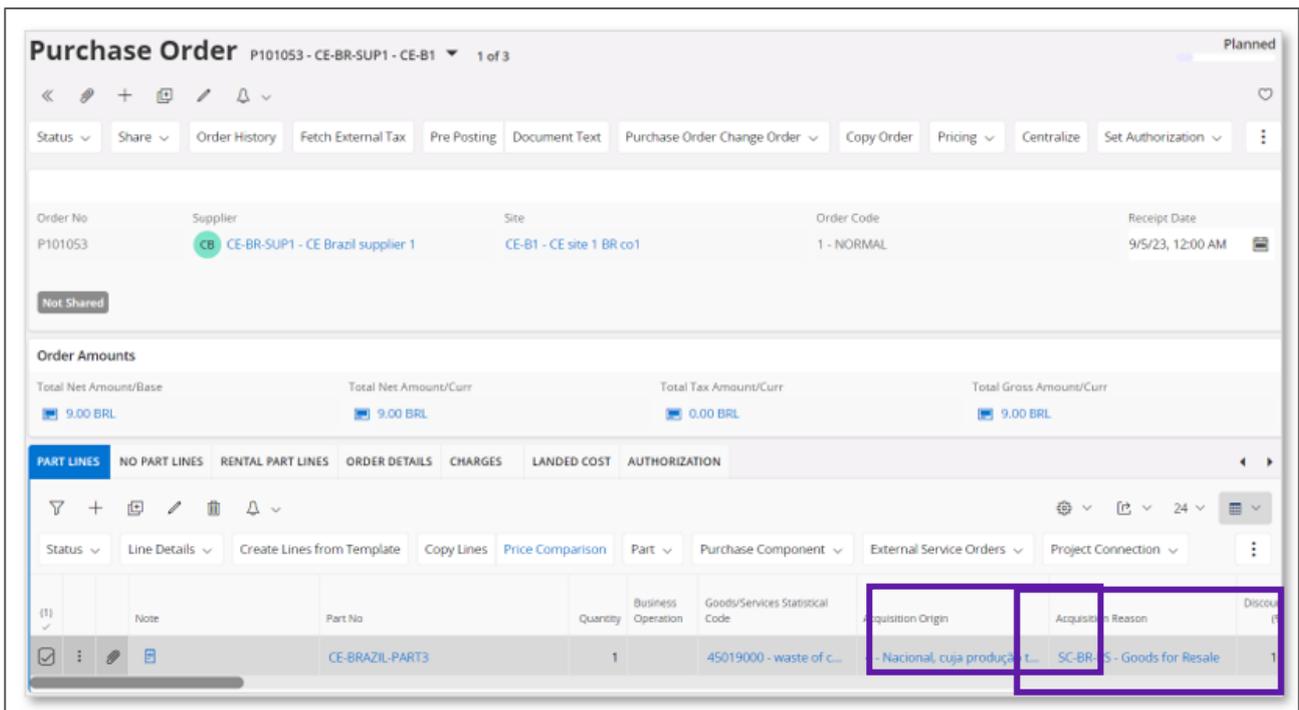
1st – The Acquisition Reason Id value is inherited from the Purchase Part if a default value exists.

2nd – If the Acquisition Reason Id is not set on the Purchase part, then the value is retrieved from the connected value set in the Purchase Order for the Business Transaction Id.



Business Transaction Id	Description	Direction	Presence Type	Acquisition Reason Id	External Tax System Reference
200	Transferência entre Filiais	Outbound	Presence-Offsite	SC-BR-RS	standardSales
500	Domestic Purchases	Inbound	Phone	SC-BR-RS	standardPurchase

The Acquisition Reason Id can also be entered/modified manually if the Purchase Order is not Cancelled. If the Purchase Order is created from an Order Quotation, the Acquisition Reason ID value for each order line is automatically fetched from the Order Quotation.



Order No	Supplier	Site	Order Code	Receipt Date
P101053	CE-BR-SUP1 - CE Brazil supplier 1	CE-B1 - CE site 1 BR co1	1 - NORMAL	9/5/23, 12:00 AM

Total Net Amount/Base	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
9.00 BRL	9.00 BRL	0.00 BRL	9.00 BRL

Part No	Quantity	Business Operation	Goods/Services Statistical Code	Acquisition Origin	Acquisition Reason	Discount
CE-BRAZIL-PART3	1		45019000 - waste of c...	- Nacional, cuja produção t...	SC-BR-RS - Goods for Resale	

5.18 Delimitations

Support for additional Brazilian specific attributes will be developed in coming releases.

Project Invoicing for provision of services is supported in this Project Invoice – Initial Solution. Project Invoicing flows not supported in this Project Invoice – Initial Solution are:

- Project Invoicing for sale of goods.
- Credit Project Invoices and Project Correction Invoices.

6 Purchase Charges with Brazilian Charge Category

6.1 Overview of Legal Requirement

For Avalara taxes to be correct, there is a need to differentiate costs related to the importation and transport process. For example, costs that should be included in the customs value and costs that should be reported separately as for example freight and insurance.

6.2 Solution overview

To support this a **Brazilian Charge Category** is connected to the **Purchase Charge Type** when using the Brazil localization with Avalara Tax Integration.

Line connected charges on the Purchase order, connected via the Dispatch Advice process, is the main way to handle these transport and importation fees in Brazil. These different charges need to be sent to Avalara in the request file (with the correct Avalara tag) to get the correct calculated part line taxes.

The **Brazil Charge Category** can be set and edited on the **Purchase Charge Type** page, in the **Purchase Order** page on the **Charge** tab, in the **Supplier for Purchase Part** page on the **Charge** tab and in the **Incoming Dispatch Advice** Charges assistant. The default value can be set on the Purchase Charge Type. If values are set in the **Supplier for Purchase Part** page, these values are fetched to the Purchase Order.

If the charge line is not line connected the value for Brazil Charge Category will be blank.

6.3 Process overview Purchase Charges



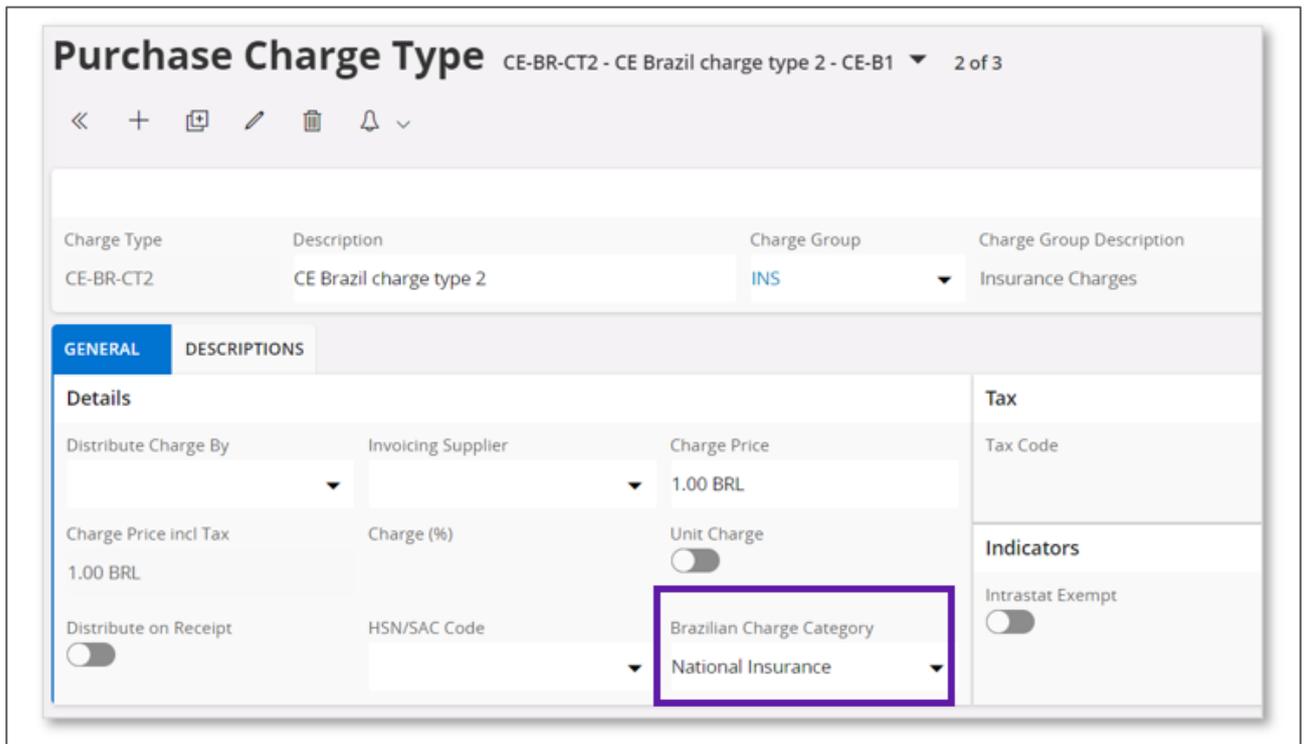
6.4 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Integration to Brazilian External Tax System” parameter must be enabled (this is not mandatory in Localization Control Center for Brazil localization).

6.5 Connect Brazil Charge Category

In **Purchase Charge Type** page there is a field for **Brazilian Charge Category** only visible when Site company is using Avalara. The possible values to choose from are as below:

- National Freight (connected to Avalara json tag freightAmount)
- National Insurance (connected to Avalara json tag insuranceAmount)
- National Expenses (connected to Avalara json tag otherCostAmount)
- International Freight (connected to Avalara json tag customsValue)
- International Insurance (connected to Avalara json tag customsValue)
- International Expenses (connected to Avalara json tag customsValue)
- AFRMM (connected to Avalara json tag afrmmValue)
- Siscomex (connected to Avalara json tag customsValue)
- Demurrage (connected to Avalara json tag customsValue)
- Wharfage (connected to Avalara json tag customsValue)



Purchase Charge Type CE-BR-CT2 - CE Brazil charge type 2 - CE-B1 2 of 3

Charge Type	Description	Charge Group	Charge Group Description
CE-BR-CT2	CE Brazil charge type 2	INS	Insurance Charges

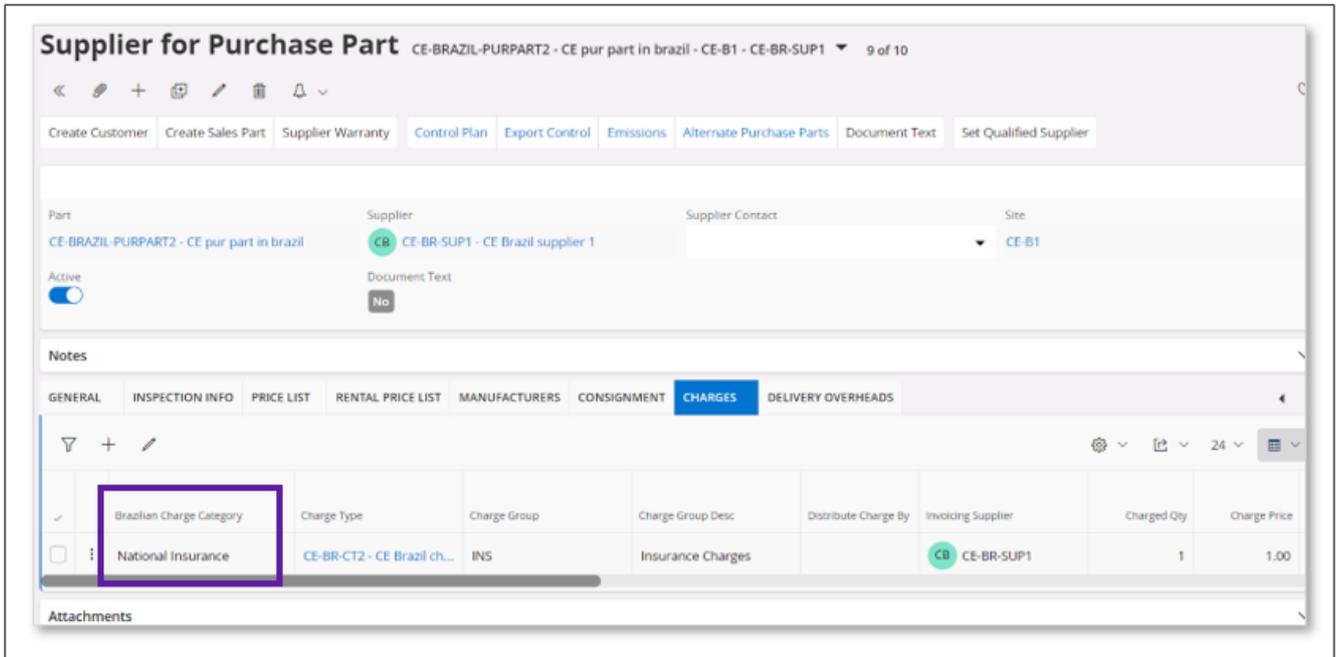
GENERAL DESCRIPTIONS

Details

Distribute Charge By	Invoicing Supplier	Charge Price	Tax
		1.00 BRL	Tax Code
Charge Price Incl Tax	Charge (%)	Unit Charge	Indicators
1.00 BRL		<input type="checkbox"/>	
Distribute on Receipt	HSN/SAC Code	Brazilian Charge Category	Intrastat Exempt
<input type="checkbox"/>		National Insurance	<input type="checkbox"/>

6.6 Default Charges on Supplier for Purchase Part

If needed it is possible to add default values for Charges in the **Supplier for Purchase Part** page. If a Brazil Charge Category has been set for the Purchase Charge Types this value will be defaulted, but the values can also be changed in this page.



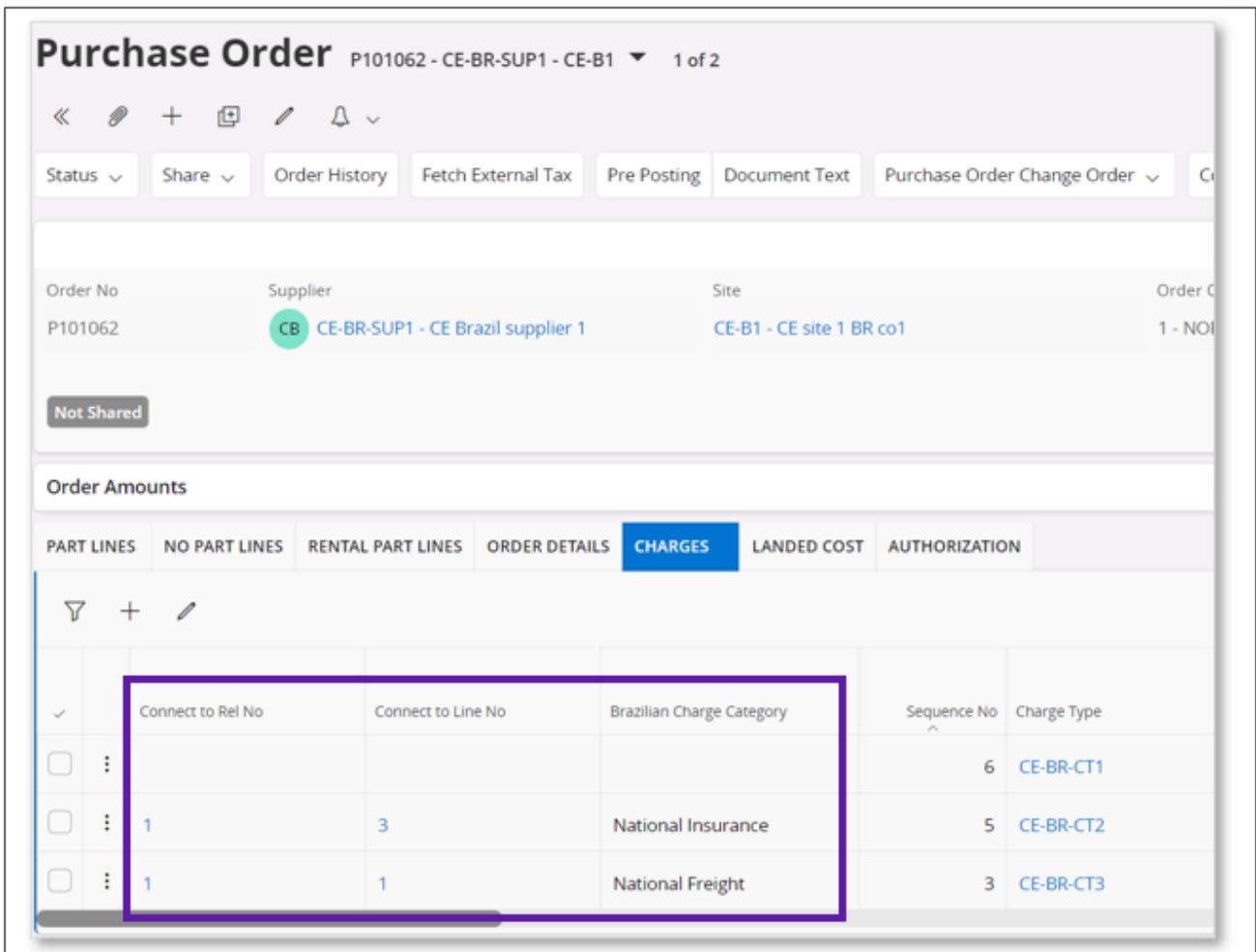
The screenshot shows the 'Supplier for Purchase Part' page for 'CE-BRAZIL-PURPART2 - CE pur part in brazil - CE-B1 - CE-BR-SUP1'. The 'CHARGES' tab is active, displaying a table of charges. The 'Brazilian Charge Category' column is highlighted with a purple box.

Charge Type	Charge Group	Charge Group Desc	Distribute Charge By	Invoicing Supplier	Charged Qty	Charge Price
National Insurance	CE-BR-CT2 - CE Brazil ch...	INS	Insurance Charges	CE-BR-SUP1	1	1.00

6.7 Add or modify Charges in Purchase Order and/or Incoming Dispatch Advice

If default charges have been added in Supplier for Purchase Part these will be inherited to the Purchase Order. These values can be modified if needed in the Purchase Order. It is only charges that are connected to Purchase Order Lines that will have a value in Brazilian Charge Category. This value can be changed if needed also in the Purchase Order. If using a Purchase Order Change Order, the value can be changed also there.

In the **Purchase Order/Charges** tab it is also possible to add and modify new charge lines. They need to be connected to a Purchase Order Line to get a **Brazil Charge Category** visible or added.



Purchase Order P101062 - CE-BR-SUP1 - CE-B1 1 of 2

Status ▾ Share ▾ Order History Fetch External Tax Pre Posting Document Text Purchase Order Change Order ▾

Order No: P101062
 Supplier: **CB** CE-BR-SUP1 - CE Brazil supplier 1
 Site: CE-B1 - CE site 1 BR co1
 Order C: 1 - NOI

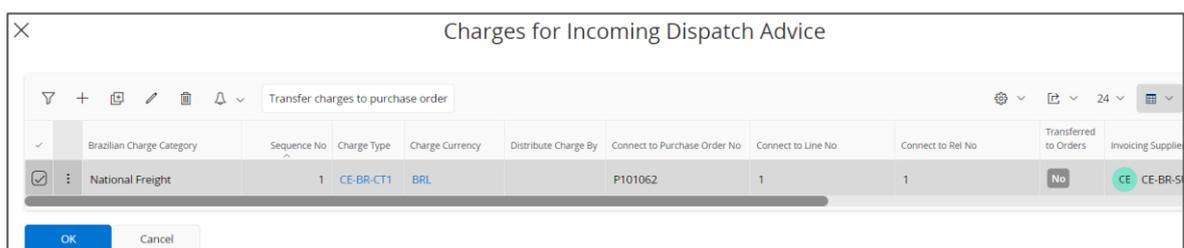
Not Shared

Order Amounts

PART LINES NO PART LINES RENTAL PART LINES ORDER DETAILS **CHARGES** LANDED COST AUTHORIZATION

✓	Connect to Rel No	Connect to Line No	Brazilian Charge Category	Sequence No	Charge Type
<input type="checkbox"/>				6	CE-BR-CT1
<input type="checkbox"/>	1	3	National Insurance	5	CE-BR-CT2
<input type="checkbox"/>	1	1	National Freight	3	CE-BR-CT3

One common way to add transport related costs in Brazil is to use **Incoming Dispatch Advice** page and add charges there. Also, in this dialog for **Charges for Incoming Dispatch Advice**, the value for **Brazilian Charge Category** can be changed if needed. The value connected to the **Charge Type** will be default if existing.



Charges for Incoming Dispatch Advice

Transfer charges to purchase order

✓	Brazilian Charge Category	Sequence No	Charge Type	Charge Currency	Distribute Charge By	Connect to Purchase Order No	Connect to Line No	Connect to Rel No	Transferred to Orders	Invoicing Supplier
<input checked="" type="checkbox"/>	National Freight	1	CE-BR-CT1	BRL		P101062	1	1	No	CE-BR-S

OK Cancel

If new charge lines are added or modified, they need to be either line connected or distributed per line in order to have a **Brazilian Charge Category**.

6.8 Tax Request to Avalara

Purchase Order Line connected charges is a part of the information to be included in the Request file sent to Avalara.

See further information in the *Appendix* for the mapping between IFS and Avalara.

7 Sales Charges with Brazilian Charge Category

7.1 Overview Legal Requirement

For Avalara taxes to be correct, there is a need to include sales charges in the tax calculations on Customer Orders and Invoices. For example, charges for freight, insurance and other expenses should be passed to the Outgoing Nota Fiscal and included in the request message sent to Brazil Tax Authorities.

7.2 Solution overview

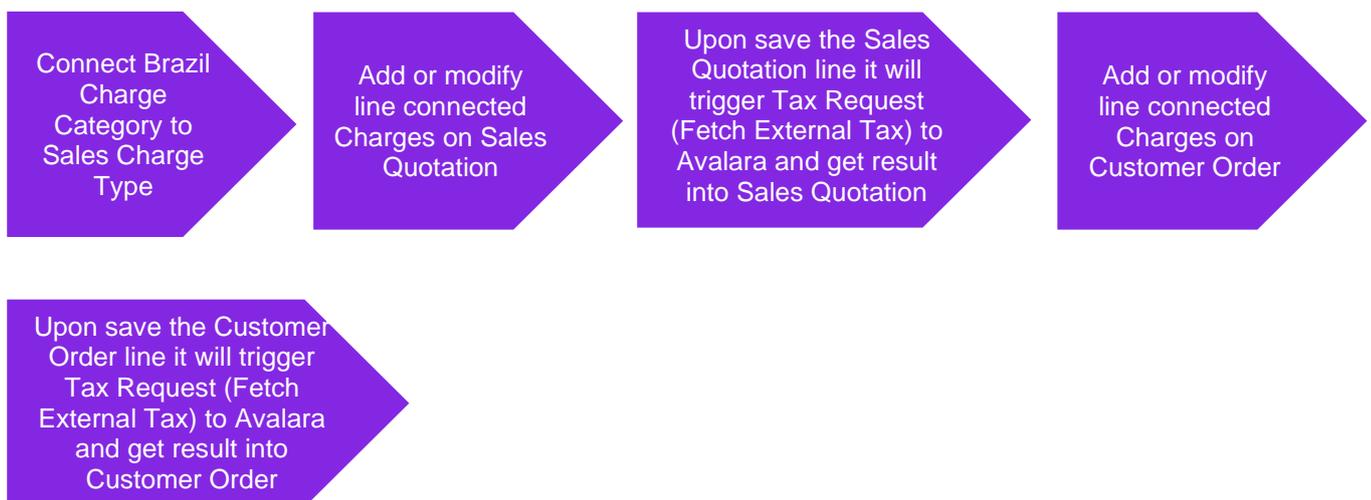
To support this, a **Brazilian Charge Category** is connected to the **Sales Charge Type** when using the Brazil localization with Avalara Tax Integration.

Line-connected charges on the Customer Order are the main way to handle freight, insurance, and expense Sales Charges in Brazil. These different charges need to be sent to Avalara in the request file (with the correct Avalara tag) to get the correct calculated part-line taxes.

The **Brazil Charge Category** can be set and edited on the **Sales Charge Type** page, in the **Sales Quotation** page on the **Charge** tab, in the **Customer Order** page on the **Charge** tab, in the **Sales Part** page on the **Charge** tab, in the **Package Part** page on the **Charge** tab and the **Non-Inventory Sales Part** Page **Charge** Tab. Default value can be set on the Sales Charge Type.

If the charge line is not line connected the value for Brazil Charge Category will be blank.

7.3 Process overview Sales Charges



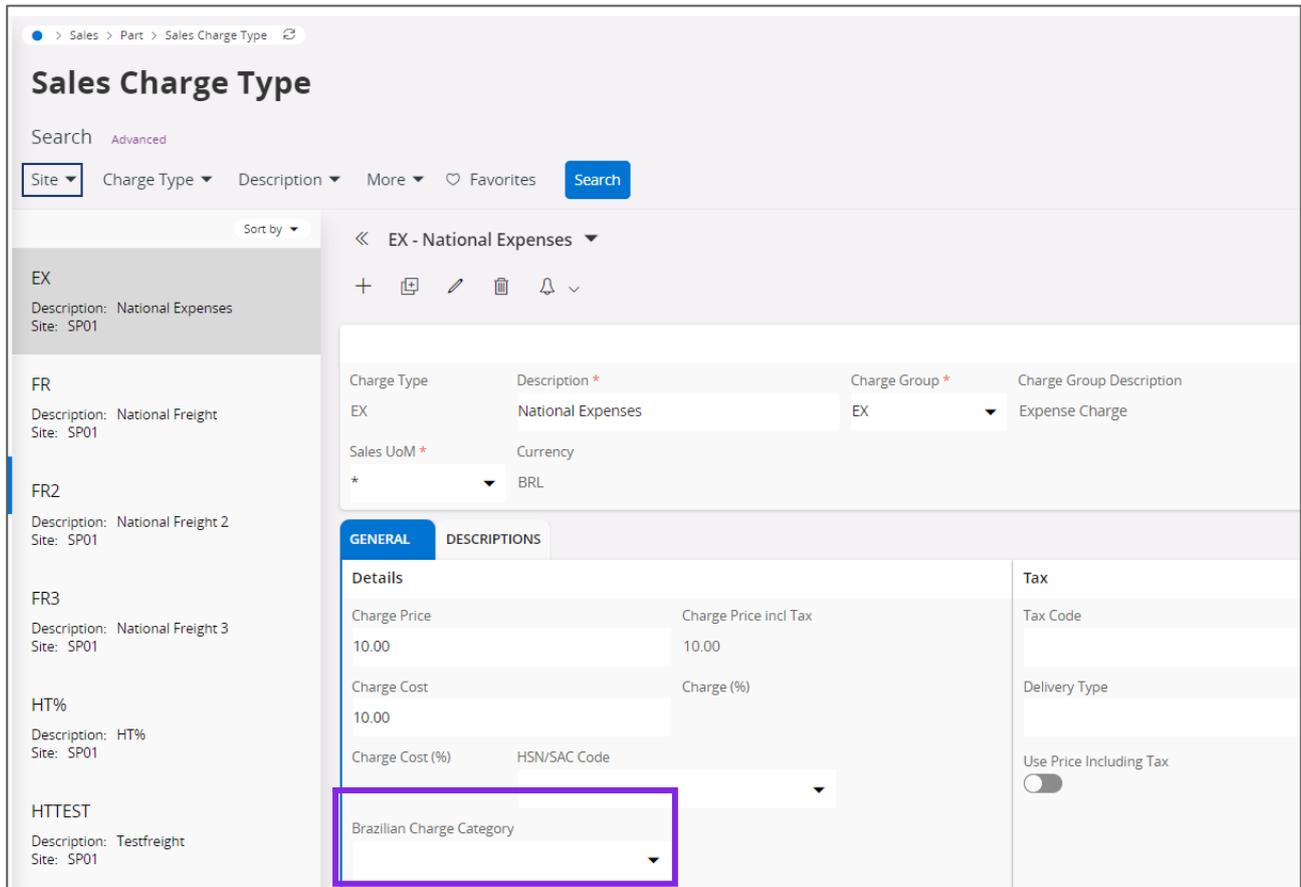
7.4 Prerequisites

The company must be set up to use Brazilian localization, see the Company Set-Up chapter, and the “Brazilian Specific Fiscal Attributes” and “Integration to Brazilian External Tax System” (this is not mandatory in Localization Control Center for Brazil localization) parameters must be enabled.

7.5 Connect Brazil Charge Category

In **Sales Charge Type** page there is a field for **Brazilian Charge Category** which is only visible when the Localization Control Center parameters are enabled for the company. The possible values to choose from are as below:

- Freight (connected to Avalara json tag freightAmount)
- Insurance (connected to Avalara json tag insuranceAmount)
- Expenses (connected to Avalara json tag otherCostAmount)



The screenshot displays the 'Sales Charge Type' configuration page. On the left, a list of charge types is shown, including EX (National Expenses), FR (National Freight), FR2 (National Freight 2), FR3 (National Freight 3), HT% (HT%), and HTTEST (Testfreight). The main area shows the configuration for 'EX - National Expenses'. The 'Charge Type' is 'EX', 'Description' is 'National Expenses', and 'Charge Group' is 'EX'. The 'Sales UoM' is '*' and 'Currency' is 'BRL'. The 'GENERAL' tab is active, showing 'Details' and 'Tax' sections. The 'Brazilian Charge Category' field is highlighted with a red box.

Charge Type	Description *	Charge Group *	Charge Group Description
EX	National Expenses	EX	Expense Charge

Sales UoM *	Currency
*	BRL

GENERAL		DESCRIPTIONS	
Details			
Charge Price	Charge Price incl Tax	Tax	
10.00	10.00	Tax Code	
Charge Cost	Charge (%)	Delivery Type	
10.00		Use Price Including Tax	
Charge Cost (%)	HSN/SAC Code	<input type="checkbox"/>	
Brazilian Charge Category			

7.6 Default Sales Charges for Sales Part

If needed it is possible to add default values for Charges in the **Sales Part** page. If a Brazil Charge Category has been set for the Sales Charge Type this value will be defaulted, but the values can also be changed in this page.

Sales Part

Search Advanced

Site Sales Part No Sales Part Description More Favorites Search

» F060100 - Texas High Roller Overdrive - SP01

Inventory Part Availability Planning Complementary Parts Substitute Sales Part Inventory Part Document Text Customer Warranty

Sales Part No: F060100 Part Description in Use*: Texas High Roller Overdrive Site: SP01

GENERAL DESCRIPTIONS CHARACTERISTICS **CHARGES** EXTERNAL TAX PARAMETERS MAINTENANCE PART SPECIFIC OVERHEADS

(1) Brazilian Charge Category	Charge Type	Charge Group	Sales Uom	Charge Cost	Charge Cost (%)	Charge Price/Base	Charge Price Including Tax/Base	Charge Quantity	Charge (%)	Unit Charge	Currency
<input checked="" type="checkbox"/> Freight	EX - National Expenses	EX - Expense Charge	*	10.00		10.00	10.00	1		No	BRL

Attachments

7.7 Add or Modify Charges in Sales Quotation and Customer Order

If default charges have been added for the sales part, they will be inherited in the Sales Quotation and Customer Order. These values can be modified if needed in the Sales Quotation and Customer Order. Only charges connected to customer order lines will have a value in the Brazilian charge category.

Customer Order

Search Advanced

Status Order No Coordinator Customer Customer's PO No Wanted Delivery Date/Time Created Charges Exist More

» P10927 8 of 24+

Share Operations Invoice RMA Related Pages Copy Order Order History Sales Promotions

Order No: P10927 Customer: RCA DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE... Site: SP01 Order Type: RCA Wanted Delivery Date/Time: 6/5/24, 12:00 AM

Order Amounts

LINES RENTAL LINES ORDER DETAILS **CHARGES** INVOLVED PARTIES

Brazilian Charge Category	Sequence No	Charge Type	Charge Group	Charge Group Desc	Charge Price/Curr	Chrg Price incl Tax/Curr	Charge (%)	Co No
<input checked="" type="checkbox"/> Freight	1	HTTEST - Testfreight	30	Freight	10.00	10.00		1
<input type="checkbox"/> Insurance	2	IN - National Insurance	INS	Insurance charges	20.00	20.00		1

7.8 Tax Request to Avalara

Sales Quotation line and Customer Order Line connected charges are a part of the information to be included in the Request file sent to Avalara.

See further information in the *Appendix* for the mapping between IFS and Avalara.

7.9 Limitations

- Fetch taxes from Avalara to a sales quotation and customer order line containing Non-Inventory Sales Part of type “Goods” is not supported.
- The Brazilian charge category will only be visible in the sales quotation and customer order charges tab when the charge line is connected to a quotation/order line.
- Avalara Tax calculations in customer orders including Sales charges are not supported in Customer order Collective, Correction, Prepayment based, Advanced and Rebate Invoice types and are only implemented in Customer order Invoices.
- When performing a partial delivery, charges are not automatically distributed; therefore, if a charge is added and the delivery and invoicing are done partially, the user must manually adjust the charge amount to accurately reflect the partial delivery.

8 Company, Customer and Supplier Basic Data for Tax Calculation, Nota Fiscal and Avalara request

8.1 Overview Legal Requirement

“Tax Regime” and “Entity Type” are legally required to determine the Brazilian tax calculation and tax reporting in Nota Fiscal.

- Tax Regime is determined according to the company's profit. Most important tax regimes are Real Profit, Estimated Profit and Simplified.
- “Entity Type” refers the type of administration.

8.2 Solution overview

To support this requirement, IFS Application core functionalities were slightly enhanced to define the required basic data.

- New page, **Classification of Business** is introduced with system defined values. User can manually define “*External Tax System Reference*”.
- Brazilian specific **Forms of Business** added

8.3 Process overview



8.4 Prerequisites

IFS Application core generic functionalities are used to define these basic data, hence not controlled by Brazilian-specific Localization Control Center parameters.

8.5 Enter Basic data

Classification of Business

Go to the page, **Application Base Setup/Enterprise/Company/Basic Data/Classification of Business**. From this page, query the country as “*BR-Brazil*” and find the system-defined Brazilian specific *Classification of Business* records.

In the **External Tax System Reference** column, the user can manually define the *External Tax System References* according to the value and format given by the 3rd party tax calculation integrator. In example below, you can see the *External Tax System References* mapped according to the AVALARA requirements.

Classification of Business					
✓	:	Country	Classification of Business	Description	External Tax System Reference
<input type="checkbox"/>	:	BR - BRAZIL	1	Lucro Real	realProfit
<input type="checkbox"/>	:	BR - BRAZIL	2	Lucro Presumido	estimatedProfit
<input type="checkbox"/>	:	BR - BRAZIL	3	Simplificado	simplified
<input type="checkbox"/>	:	BR - BRAZIL	4	Simplificado Sobre o Limite Bruto	simplifiedOverGrossthreshold
<input type="checkbox"/>	:	BR - BRAZIL	5	Empreendedor Simplificado	simplifiedEntrepreneur
<input type="checkbox"/>	:	BR - BRAZIL	6	Individual	individual
<input type="checkbox"/>	:	BR - BRAZIL	7	Não Aplicável	notApplicable

Forms of Business

Go to the page **Application Base Setup/Enterprise/Company/Basic Data/Forms of Business**, where entity types for country Brazil were added. From this page, query, Country as “BR-Brazil” and find the system defined Brazilian specific *Forms of Business* records.

Forms of Business				
✓	:	Country	Form of Business	Description
<input type="checkbox"/>	:	BR - BRAZIL	1	Empresa
<input type="checkbox"/>	:	BR - BRAZIL	2	Individual
<input type="checkbox"/>	:	BR - BRAZIL	3	Governo Federal
<input type="checkbox"/>	:	BR - BRAZIL	4	Governo Estadual
<input type="checkbox"/>	:	BR - BRAZIL	5	Prefeitura Municipal
<input type="checkbox"/>	:	BR - BRAZIL	6	Estrangeiro

Company: Form of Business and Classification of Business

Go to the page **Company** and the **General Information** tab where user can select the "Form of Business" and "Classification of Business" from the drop-down lists.

Company

EABR1 - Brazilian Company 1 ▾ 1 of 1

Update Company Update Company Translation New Company

Company	Name	
EABR1	Brazilian Company 1	

General Information

Default Language	Country	Localization
English ▾	BRAZIL ▾	Brazil (Preview) ▾
Form of Business	Classification of Business	Creation Date
2 - Individual ▾	1 - Lucro Real ▾	2021-03-16
Activity Start Date	Source Company	Source Template ID
		STD
Template Company	Master Company for Group Consolid...	
No	No	

Customer: Form of Business and Classification of Business

Go to the page **Customer** and the **General Information** tab where user can select the "Form of Business" and "Classification of Business" for the customer from the drop-down lists.

Customer

BRCUST1 - Brazilian Customer 1 ▾ 1 of 1

Copy Customer View End Customer Connections

Customer	Name	Association No
BRCUST1	Brazilian Customer 1	
One-Time Customer	B2B Customer	
<input type="checkbox"/>	<input type="checkbox"/>	

General Information

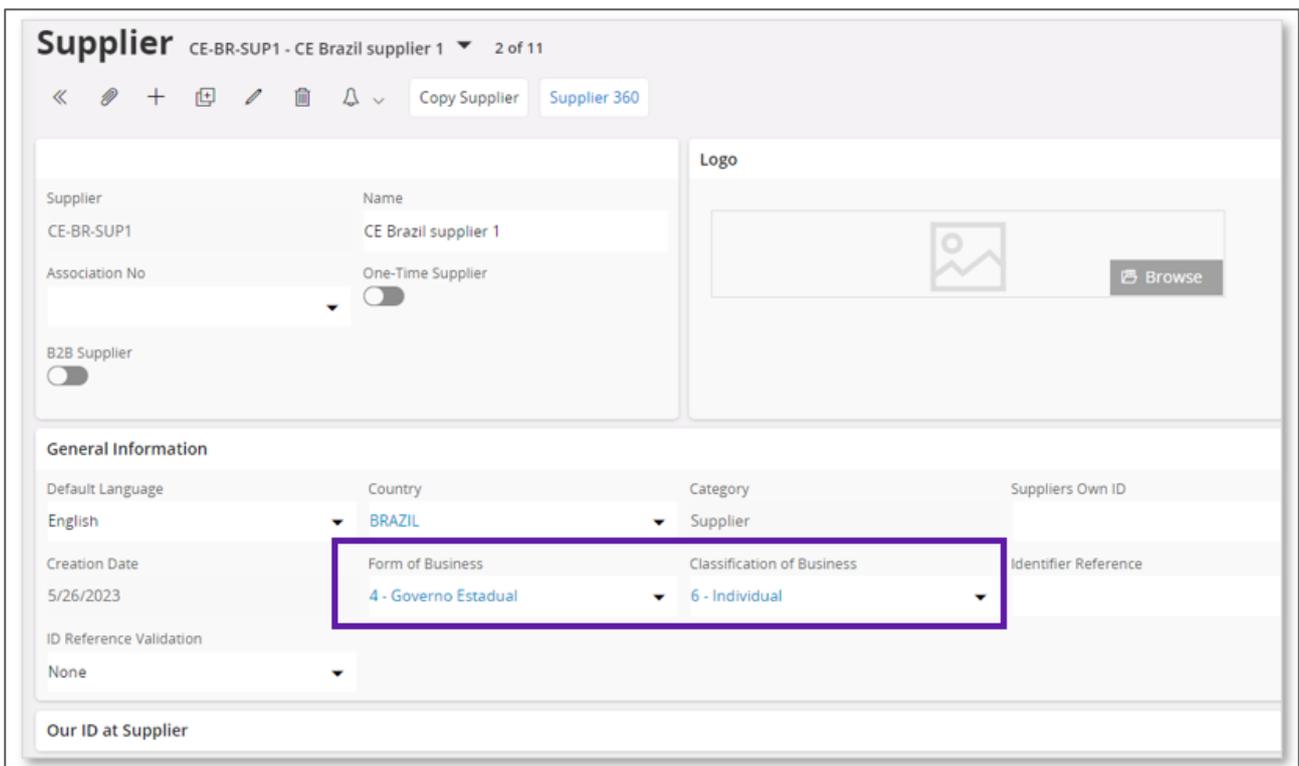
Default Language	Country	
English	BRAZIL ▾	
Form of Business	Classification of Business	
4 - Governo Estadual	6 - Individual	
Customer Tax Usage Type		

The field **Form of Business** must be 6 for foreign customers, that indicates this is an international customer. The description must be "Foreign" ("Estrangeiro").

The field **Classification of Business**" must be 7 for foreign customer, that indicates this is an international customer. The description must be "Not Applicable" ("Não Aplicável").

Supplier: Form of Business and Classification of Business

Go to the page **Supplier** and the **General Information** tab where the user can select the "Form of Business" and "Classification of Business" for the supplier from the drop-down lists.



The screenshot shows the 'Supplier' page for 'CE-BR-SUP1 - CE Brazil supplier 1'. The 'General Information' tab is active. The 'Form of Business' field is set to '4 - Governo Estadual' and the 'Classification of Business' field is set to '6 - Individual'. These two fields are highlighted with a purple box.

Field	Value
Supplier	CE-BR-SUP1
Name	CE Brazil supplier 1
Association No	[Dropdown]
One-Time Supplier	<input type="checkbox"/>
B2B Supplier	<input type="checkbox"/>
Default Language	English
Country	BRAZIL
Category	Supplier
Suppliers Own ID	[Field]
Creation Date	5/26/2023
Form of Business	4 - Governo Estadual
Classification of Business	6 - Individual
Identifier Reference	[Field]
ID Reference Validation	None
Our ID at Supplier	[Field]

The field **Form of Business** can set to different values depending on supplier. For example 6 for foreign suppliers, that indicates that this is an international supplier which will show the description "Estrangeiro".

The field **Classification of Business**" can also be set to different values depending on supplier. For example, 7 for foreign suppliers, that indicates that this is an international supplier which will show the description "Não Aplicável".

9 Address Specific Tax Registration Numbers

9.1 Overview Legal Requirement

In Brazil, all entities are required to obtain the tax registration number **CNPJ** before they can commence business activities. The CNPJ must be detailed on all invoices and receipts issued by a company. CNPJ is specified per physical address.

The **State Registration** is a tax registration number given by the Brazilian State Tax authorities. This number is also specified per physical address.

CNAE is the acronym for National Classification of Economic Activities. It consists of a code composed of 7 digits that will identify the economic activity carried out by a business.

SUFRAMA is the name of the agency that manages the Manaus Free Trade Zone. Companies that have the SUFRAMA code may have tax benefits.

The above tax registration numbers are mandatory information for both NF-e issuer and receiver in the NF-e XML. Also, this info is needed in the procurement flow in the Avalara request.

9.2 Process Overview



9.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the "Address Specific Tax Registration Numbers" parameter must be enabled.

9.4 Enter basic data for tax id types

Ensure the Tax ID Types "CNPJ", "STATE_REG", "CNAE" and "SUFRAMA" are defined for Country Code "BR" in the **Application Base Setup/Enterprise/Tax/Tax ID Types** page (standard functionality)

Tax ID Types

✓	:	Tax ID Type	Country Code	Report Code	Description
<input type="checkbox"/>	:	CNPJ	BR	1	
<input type="checkbox"/>	:	STATE_REG	BR	1	
<input type="checkbox"/>	:	SUFRAMA	BR	1	
<input type="checkbox"/>	:	CNAE	BR	1	

9.5 Enter address specific tax id numbers

9.5.1 COMPANYY

Enter address specific tax ID numbers for your company in the **Application Base Setup/Enterprise/Company/Address** page.

Application Base Setup > Enterprise > Company > Company > Address

Address EABR1 - Brazilian Company 1

Address ID: 1

Company's Own Address ID

GENERAL ADDRESS INFORMATION | **TAX INFORMATION** | SUPPLY CHAIN INFORMATION

Tax Calculation Structure

Taxes

✓	:	Tax Code	Tax (%)	Validity Period
(No data)				

Tax Exempt Information

Address Specific Tax ID Numbers

✓	:	Country	Tax ID Type	Tax ID Number
<input type="checkbox"/>	:	BRAZIL	CNPJ	4245367581
<input type="checkbox"/>	:	BRAZIL	STATE_REG	123.456.789.001

9.5.2 CUSTOMER

Enter address specific tax ID numbers for your customer on tab **Document Tax Information** in the **Application Base Setup/Enterprise/Customer/Customer/Address** page, in the nested list below your Brazilian company.

Address BRCUST1 - Brazilian Customer 1 1 of 1

Customer: BRCUST1 Name: Brazilian Customer 1 Association:

Address ID: 1

Customer's Own Address ID: Customer Name: End Cust: End Custo:

GENERAL ADDRESS INFORMATION DELIVERY TAX INFORMATION **DOCUMENT TAX INFORMATION** SALES ADDRESS INFORMATION

(1) Company: Supply Country: Delivery Country: Tax ID Type: Tax ID

✓ EABRSYSTEST BRAZIL BRAZIL

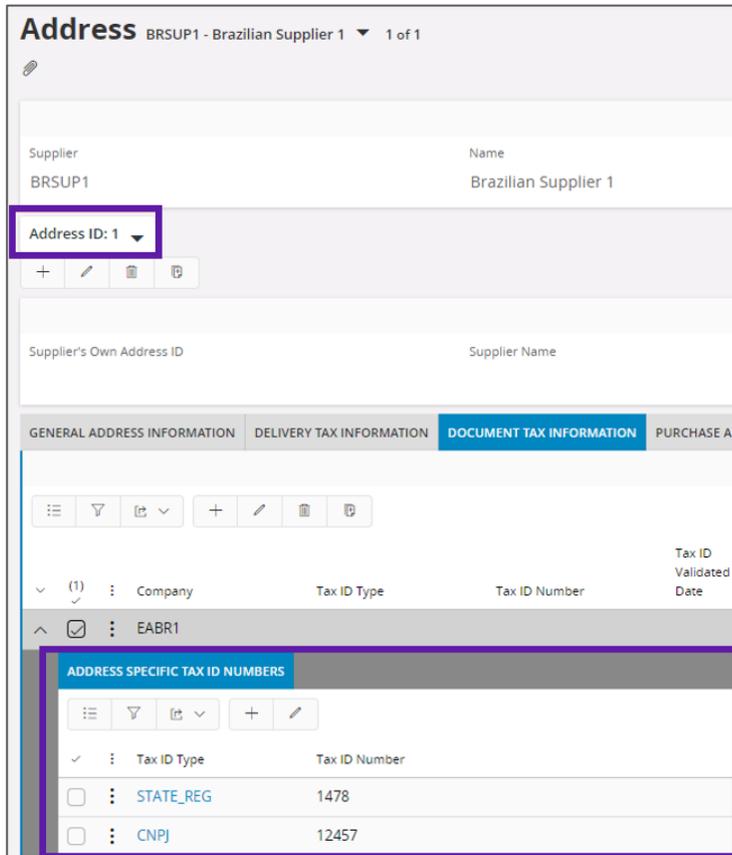
ADDRESS SPECIFIC TAX ID NUMBERS

✓	Tax ID Type	Tax ID Number
<input type="checkbox"/>	CNAE	41414141
<input type="checkbox"/>	CNPJ	9874.1254.1
<input type="checkbox"/>	STATE_REG	ISENTO
<input type="checkbox"/>	SUFRAMA	313131245

Note that tax ID numbers cannot be entered on the upper level if address specific tax ID numbers are already entered in the nested list. This is to ensure no duplicate records are entered.

9.5.3 SUPPLIER

Enter address specific tax ID numbers for your supplier on tab **Document Tax Information** in the **Application Base Setup/Enterprise/Supplier/Supplier/Address** page, in the nested list below your Brazilian company.



The screenshot shows the 'Address' page for 'BRSUP1 - Brazilian Supplier 1'. The 'Document Tax Information' tab is selected. Below the main address information, there is a nested list titled 'ADDRESS SPECIFIC TAX ID NUMBERS'. This list contains two entries:

<input type="checkbox"/>	Tax ID Type	Tax ID Number	Tax ID Validated Date
<input type="checkbox"/>	STATE_REG	1478	
<input type="checkbox"/>	CNPJ	12457	

Note that tax ID numbers cannot be entered on the upper level if address specific tax ID numbers are already entered in the nested list. This is to ensure no duplicate records are entered.

9.6 Delimitations

Address specific tax registration numbers for Forwarder is supported if the Forwarder is connected with a Supplier.

10 Service Codes per Service and City

10.1 Overview Legal Requirement

The federal service codes provided by the Brazilian government and used to classify services are managed in IFS Applications as Goods/Services Statistical Codes. For more details on this functionality, please refer to the chapter on Goods/Services Statistical Codes.

In addition to the federal codes, each municipality in Brazil may have its own list of Service Codes. These municipal codes generally align with the Service List established by federal law (LC 116) but may include additional details or specific categorizations relevant to the local economy. These codes are used when issuing the Service Nota Fiscal.

In IFS Applications, the specific service codes for classifying services according to the various lists provided by each municipality are managed using the City-Based Service Codes per Non-Inventory Part and City-Based Service Codes per Report Code pages.

10.2 Process Overview

10.2.1 PROCESS OVERVIEW, SALES OF SERVICES VIA CUSTOMER ORDER



10.2.2 PROCESS OVERVIEW, SALES OF SERVICES VIA PROJECT INVOICE – INITIAL SOLUTION



10.2.3 PROCESS OVERVIEW, PROCUREMENT OF SERVICES VIA PURCHASE ORDER



10.3 Prerequisites

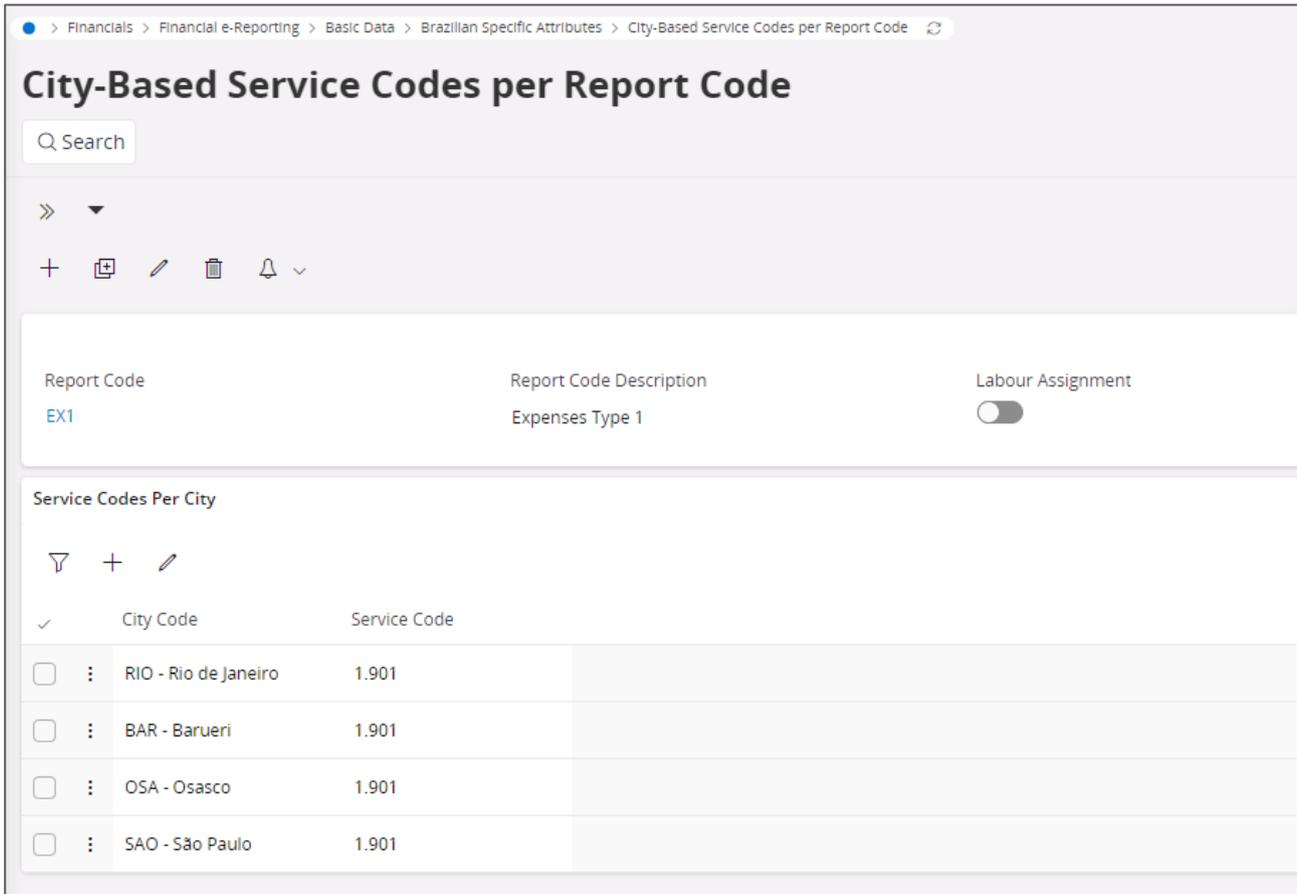
The company must be set-up to use Brazilian localization, see the Company Set-Up chapter.

10.4 Enter Basic Data – Services Handled via Project Invoice

Open the **Financials/Financial e-Reporting/Basic Data/Brazilian Specific Attributes/City-Based Service Codes per Report Code page** and enter a Report Code.

Select the "Labor Assignment" toggle button if this service requires a local crew to be physically present at the location where it will be provided.

In the session Service Codes per City, enter the Service Code provided by each city where this service, the Report Code, will be provided and received.



Report Code	Report Code Description	Labour Assignment
EX1	Expenses Type 1	<input type="checkbox"/>

City Code	Service Code
<input type="checkbox"/> : RIO - Rio de Janeiro	1.901
<input type="checkbox"/> : BAR - Barueri	1.901
<input type="checkbox"/> : OSA - Osasco	1.901
<input type="checkbox"/> : SAO - São Paulo	1.901

10.5 Enter Invoicing Plan/Project Transaction

Enter an Invoicing Plan/Project Transaction using standard functionality.

10.6 Create Project Invoice

Create a preliminary Project Invoice and the Service Codes of the Company and the Customer, and the Labour Assignment value will be included in the tax calculation request sent to Avalara.

10.7 Enter Basic Data – Services Handled via Customer Order

Open the **Financials/Financial e-Reporting/Basic Data/Brazilian Specific Attributes/City-Based Service Codes per Non-Inventory Part** page and enter a Non-Inventory Sales Part.

Select the "Labor Assignment" toggle button if this service requires a local crew to be physically present at the location where it will be provided.

In the session Service Codes per City, enter the Service Code provided by each city where this service, the Report Code, will be provided and received.

City-Based Service Codes per Non-Inventory Part

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Part No BRSERV1	Part Description Brazilian Serv1	Labour Assignment <input type="checkbox"/>
---------------------------	-------------------------------------	-----------------------------------------------

Service Codes Per City

	City Code	Service Code	
<input type="checkbox"/>	BHZ - Belo Horizonte	331980000	
<input type="checkbox"/>	RIO - Rio de Janeiro	140113	
<input type="checkbox"/>	POA - Porto Alegre	2075	
<input type="checkbox"/>	BAR - Barueri	140116211	
<input type="checkbox"/>	OSA - Osasco	331471001	
<input type="checkbox"/>	SAO - São Paulo	07498	

10.8 Enter Sales Quotation

Enter a Sales Quotation to sell the service with a Non-Inventory Sales Part, using the standard functionality. The Service Codes and the Labor Assignment values will be included in the tax calculation request sent to Avalara.

10.9 Enter Customer Order

Enter a Customer Order to sell the service with a Non-Inventory Sales Part, using the standard functionality. The Service Codes and the Labor Assignment values will be included in the tax calculation request sent to Avalara.

10.10 Create Customer Invoice

Create a preliminary Customer Invoice from Customer Order, the Service Codes and the Labor Assignment values will be included in the tax calculation request sent to Avalara.

10.11 Enter Basic Data – Services Handled via Purchase Order

Open the **Financials/Financial e-Reporting/Basic Data/Brazilian Specific Attributes/City-Based Service Codes per Non-Inventory Part** page and enter a Non-Inventory Part.

Select the "Labor Assignment" toggle button if this service requires a local crew to be physically present at the location where it will be provided.

In the session Service Codes per City, enter the Service Code provided by each city where this service, the Report Code, will be provided and received.

[Financials](#) > [Financial e-Reporting](#) > [Basic Data](#) > [Brazilian Specific Attributes](#) > [City-Based Service Codes per Non-Inventory Part](#)

City-Based Service Codes per Non-Inventory Part

Q Search

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Part No: [CEL-BR.NON.INV.PART.S](#)
 Part Description: Brazilian Non Inventory Part - Service
 Labour Assignment:

Service Codes Per City

🔍 + ✎ ⚙️ ▼ 📄 ▼ 24 ▼ ☰ ▼

✓	City Code	Service Code
<input type="checkbox"/>	OSA - Osasco	932980201
<input type="checkbox"/>	SAO - São Paulo	08320

10.12 Enter Order Quotation

Enter an Order Quotation to sell the service with a Non-Inventory Part, using the standard functionality. The Service Codes values will be included in the tax calculation request sent to Avalara.

10.13 Enter Purchase Order

Enter a Purchase Order to sell the service with a Non-Inventory Part, using the standard functionality. The Service Codes values will be included in the tax calculation request sent to Avalara.

11 Automatic Generation of Official Document Number

11.1 Overview Legal Requirement

In Brazil, Nota Fiscal series are needed to segregate and control the Nota Fiscal numbering. Nota Fiscal number intervals are assigned to companies by the tax authority and there is a legal requirement to use the assigned numbers for the issued Nota Fiscals. Each series has its own Nota Fiscal number interval. When the last number in the interval has been used, a new series must be started.

The Brazilian law admits a branch of the company to have a separate series, which is a commonly used business practice. The Nota Fiscal series are separating goods and services.

Nota Fiscal number and series is mandatory information in the NF-e XML file sent to the tax authority before goods delivery.

11.2 Process Overview

The “Official Document Number” functionality is a generic solution to support generation of official invoice numbers in the Core application. It can be configured to support the requirements in Brazil, following the below process:

11.2.1 PROCESS OVERVIEW WITH CUSTOMER ORDER SALES OF GOODS



11.2.2 PROCESS OVERVIEW WITH PROJECT INVOICE – INITIAL SOLUTION



11.3 Enter basic data

The basic data described in below chapters must be entered to support the Nota Fiscal series and numbering.

11.3.1 DEFINE COMPANY BRANCHES

Define company branches in the **Application Base Setup/Enterprise/Company/Basic Data/Branches** page.

Application Base Setup > Enterprise > Company > Basic Data > Branches

Search *Advanced*

Company: BNF Name More Favorites

Branches

BNFX - BLUE NOTE GUITAR EFFECTS - IFS CLOUD 24R1 1 of 1

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✓	Branch	Description	Company Address ID
<input type="checkbox"/>	MG01	Filial Minas Gerais	MG01
<input type="checkbox"/>	SP01	Filial São Paulo	SP01

11.3.2 CONNECT BRANCH TO SITE

Connect Sites to company branches in the *Application Base Setup/Enterprise/Site/Site/Sales and Procurement* tab (IFS standard functionality). The Site-to-Branch relationship should be one-to-one.

Sales and Procurement

DUBR1 - DU:BR:S1 - DU:BRAZIL-01 1 of 1

Company Site Group

Site	Site Description	Company
DUBR1	DU:BR:S1	DU:BRAZIL-01 - DU:BRAZIL-01

Document Address

SALES | PROCUREMENT

General

Branch: **B1**

Print Pick Report: Detailed

Order Type: [Dropdown]

Priority: [Dropdown]

Forwarder ID: [Dropdown]

Replicate Doc Text: [Dropdown]

Reserve from Transport Task: [Dropdown]

Use Inventory Default:

Create CO in Released Status:

Use Part Catalog Description for Sales Part:

11.3.3 DEFINE OFFICIAL DOCUMENT COMPONENTS PER COMPANY

The official document components are defined in two steps:

1. Specify names and descriptions for each component
2. Define the values of the components.

Open the **Financials/Customer Invoice/Basic Data/Official Document Number Components** page for the relevant Company, specify names and descriptions as follows on the **Define Components** session:

- Component A: Serie
- Component B: Branch
- Component C: Fiscal Document Model
- SEQUENCE: Nota Fiscal Number

After saving, the **Component A** tab will be renamed to “Serie”, **Component B** tab will be renamed to “Branch” and **Component C** tab will be renamed to “Fiscal Document Model”. As a result, these components will be used when generating the official document number for Nota Fiscais.

Official Document Number Components

Define Components

Component	Name	Description	Component Separator	Used in Outgoing Documents	Used in Incoming Documents
A	Serie			Yes	Yes
B	Branch			Yes	No
C	Fiscal Document Model			Yes	Yes
SEQUENCE	Nota Fiscal Number			Yes	No

SERIE | BRANCH | FISCAL DOCUMENT MODEL

Value	Description
001	Services
009	Goods

11.3.4 DEFINE SERIES FOR NOTA FISCAL

In the **Serie** tab (Component A) the series to be used in Nota Fiscal of goods and/or services can be defined for company.

SERIE	BRANCH	FISCAL DOCUMENT MODEL
✓	Value	Description
<input type="checkbox"/>	: 001	Services
<input type="checkbox"/>	: 009	Goods

11.3.5 DEFINE BRANCHES FOR NOTA FISCAL

The Branch (Component B) should correspond to the Branches created for the Company. The purpose is to utilize this component when the company operates with multiple Sites, ensuring that Official Document Numbers are unique and avoiding duplication when Invoices are processed, since the invoice numbers will be the concatenation of Series (Component A) + Branch (Component B) + Model (Component C) + Fiscal Note Number (Sequence) when they are posted in the application.

In the **Branch** tab (Component B) the branches from where Nota Fiscal of goods and/or services will be issued can be defined for company.

SERIE	BRANCH	FISCAL DOCUMENT MODEL
✓	Value	Description
<input type="checkbox"/>	: MG01	Branch MG01
<input type="checkbox"/>	: SP01	Branch SP01

11.3.6 DEFINE FISCAL DOCUMENT MODELS FOR NOTA FISCAL

In the **Fiscal Document Model** tab (Component C) the fiscal document models to be used in Nota Fiscal of goods and/or services can be defined for company.

SERIE	BRANCH	FISCAL DOCUMENT MODEL	
<input type="checkbox"/>	:	08	Freight - Paper
<input type="checkbox"/>	:	21	Phone - Paper
<input type="checkbox"/>	:	29	Water - Paper
<input type="checkbox"/>	:	55	Goods - Electronic (NF-e)
<input type="checkbox"/>	:	57	Freight - Electronic (CT-e)
<input type="checkbox"/>	:	65	Goods - Electronic (NFC...)
<input type="checkbox"/>	:	66	Energy - Electronic
<input type="checkbox"/>	:	NFE	Service - Paper
<input type="checkbox"/>	:	NFES	Service - Electronic

11.3.7 DEFINE NOTA FISCAL SERIES AND NUMBER PER BRANCH

In the **Official Document Number** session, set the combination of components to be used when Nota Fiscal of goods and/or services are generated per Branch.

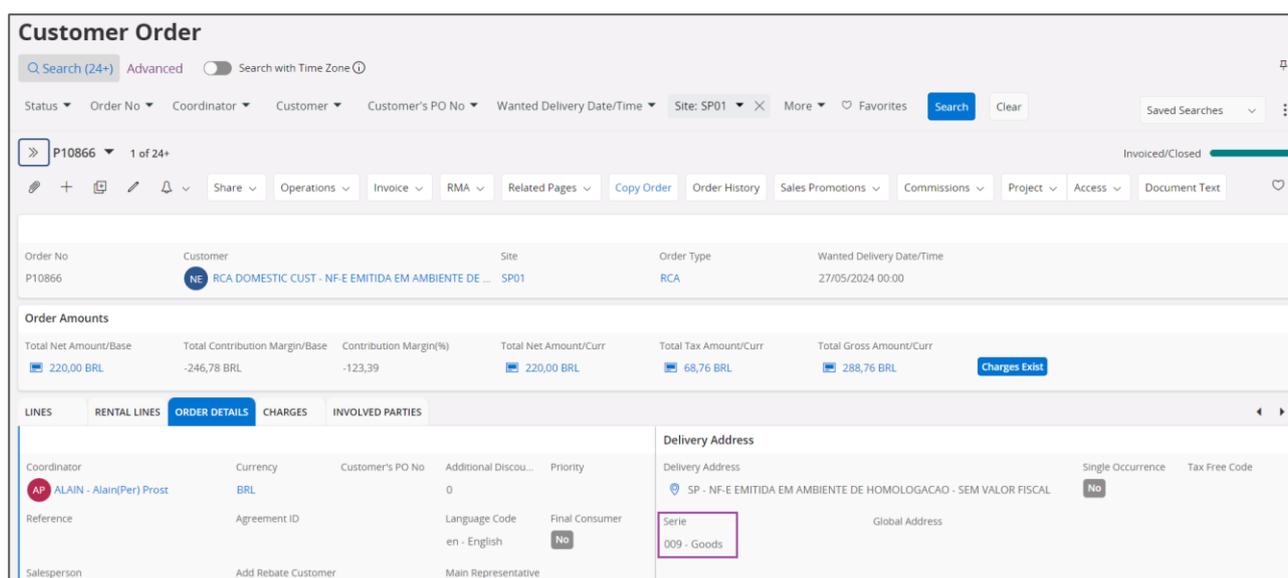
Official Document Number Series												
✓	Serie	Valid From	Branch	Fiscal Document Model	Start Value	End Value	Next Value	Length	Category	Manually Issue Nota Fiscal	Default Series	
<input type="checkbox"/>	: 001 - Services	01/01/2024	MG01 - Branch MG01	NFE - Service - Paper	15000	30000	15000	9	Service	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	: 009 - Goods	01/01/2024	MG01 - Branch MG01	55 - Goods - Electronic (NF-e)	25000	80000	25000	9	Goods	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	: 001 - Services	01/03/2024	SP01 - Branch SP01	NFE - Service - Paper	14000	20000	14027	9	Service	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	: 009 - Goods	01/01/2024	SP01 - Branch SP01	55 - Goods - Electronic (NF-e)	64000	64999	64173	9	Goods	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Configure values for Nota Fiscal Series (Component A), Branch (Component B), and Fiscal Document Model (Component C) using the available list of values provided in these fields, where the options available for selection are the ones previously entered on each respective component tabs. Specify the Nota Fiscal number interval (Start and End Value) for the selected combination.

Additionally, set the length of the Nota Fiscal series. Choose the Category by selecting either Goods or Services from the dropdown list. Use the toggle button 'Manually Issue Nota Fiscal': When unselected, issued Nota Fiscal is automatically sent to the Tax Authority for approval (e.g., Goods). When selected, issued Nota Fiscal is not sent to the Tax Authority for approval (e.g., Services). Set the Default Series per Category, note that only one default series can be defined per Category.

11.4 Create Customer Order

When the Customer Order is created, the default Nota Fiscal series defined for the branch (connected to the Customer Order Site) is shown in the **Sales/Order/Customer Order/Order Details** tab when the Customer Order is released.



The screenshot displays the 'Customer Order' interface for order P10866. Key details include:

- Order No:** P10866
- Customer:** RCA DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE DE ...
- Site:** SP01
- Order Type:** RCA
- Wanted Delivery Date/Time:** 27/05/2024 00:00

Order Amounts:

Total Net Amount/Base	Total Contribution Margin/Base	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
220,00 BRL	-246,78 BRL	-123,39	220,00 BRL	68,76 BRL	288,76 BRL

Delivery Address:

Delivery Address	Single Occurrence	Tax Free Code
SP - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL	No	

Series: 009 - Goods

Please note that “Component A” is the field to use in the Search panel when searching for Customer Orders with a specific Nota Fiscal series.

11.5 Create Customer Invoice for Single Customer Order Delivery or Shipment Delivery

In the scenario where an individual Customer Order is delivered; follow the IFS standard process to create a Customer Order debit invoice.

In the scenario where several Customer Orders are delivered using the IFS Cloud Shipment functionality, follow the standard process to create a Shipment Invoice. It will result in a created Customer Order Collective debit invoice.

The customer orders connected to a Shipment might not have the same value for “Series” but they are delivered from the same site. The Nota Fiscal series for a Shipment Invoice (collective customer order debit invoice) will be fetched from default “Component A” from the connected branch (an not from Customer Orders).

11.6 Create Outgoing Nota Fiscal and Send NF-e

Create the Outgoing Nota Fiscal from the Customer Invoice and Send the NF-e:

Outgoing Nota Fiscal - 010000080133

»
Send Cancel Request
Customer Invoice
Customer Invoice Postings Analysis
Correction Letter

Document Type
Goods Nota Fiscal

Sender

Company: STDBRAZIL
Company Name: STDBRAZIL - PLEASE DONT CHANGE THE SETUP IN THIS ...

Receiver

Customer: BR DOMESTIC CUST

Site: SP01

Issue Date: 06/01/2025

Currency Code: BRL

Nota Fiscal Text:

Nota Fiscal Series: 010

Object Type: Customer Order Invoice

Currency Rate: 1

Payment Terms: 20

Nota Fiscal No: 000080133

Object Reference: 010BSP0155000080133

Business Transaction ID: 100

Fiscal Document Model: 55

Amounts

Charge Amounts

LINES | ADDRESS | GENERAL | NF-E INFORMATION | CC-E INFORMATION

Lines

Line ID	Quantity	Brazil Unit Price	Price	Net Amount	Net Amount in Accounting Currency	Tax Amount	Tax Amount in Accounting Currency	Accounting Amount	Tax Code	Tax Calculation Structure	Part No	Part Description	Sales Unit
1	1	1343.82	1000.00	1000.00	1000.00	474.84	474.84	1474.84			VAA005	Finished Good	PCS

The Nota Fiscal Series, Nota Fiscal Number, Fiscal Document Model and the Nota Fiscal ID are fetched from preliminary Nota Fiscal to the below XML tags:

```

▼<nfeProc xmlns="http://www.portalfiscal.inf.br/nfe" versao="4.00">
  ▼<NFe xmlns="http://www.portalfiscal.inf.br/nfe">
    ▼<infNFe Id="NFe35240104106230000190550090000070591000059470" versao="4.00">
      ▼<ide>
        <cUF>35</cUF>
        <cNF>00005947</cNF>
        <natOp>Venda de producao do estabelecimento</natOp>
        <mod>55</mod>
        <serie>9</serie>
        <nNF>7059</nNF>
        <dhEmi>2024-01-10T22:27:50-03:00</dhEmi>
        <dhSaiEnt>2024-01-10T22:27:50-03:00</dhSaiEnt>
        <tpNF>1</tpNF>
        <idDest>1</idDest>
        <cMunFG>3505708</cMunFG>
        <tpImp>1</tpImp>
        <tpEmis>1</tpEmis>
        <cDV>0</cDV>
        <tpAmb>2</tpAmb>
        <finNFe>1</finNFe>
        <indFinal>0</indFinal>
        <indPres>9</indPres>
        <indIntermed>0</indIntermed>
        <procEmi>0</procEmi>
        <verProc>FIT DFe CloudFiscal</verProc>
      </ide>
      ▼<emit>
        <CNPJ>60881299000405</CNPJ>
        <xNome>SNABB TECNOLOGIA DA INFORMACAO EIRELI</xNome>
        <xFant>SNABB TECNOLOGIA DA INFORMACAO EIRELI</xFant>
      </emit>
    </infNFe>
  </NFe>
</nfeProc>

```

- <nNF>: Nota Fiscal Number, the Component "Sequence Number" field is used. XML tag must be 9 characters (left zeros is used if number is less than 9 positions)
- <cNF>: IFS internal number, the Fiscal Note ID is used. XML tag must be 8 characters (left zeros will be used if number is less than 8 positions)
- <serie>: Is fetched from the Component A. XML tag must be 3 characters (left zeros will be used if number is less than 3 positions)
- <mod>: Nota Fiscal Model, fetched from the Component C.

The Customer Invoice is updated with the Official Invoice Number references:

Customer Invoice

Q Search (1)

» RCA DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL - 009SP015500064158 - CUSTORDDEB - P12528 1 of 1 Posted Auth

1

Share Credit/Correction Invoice Posting Installment Plan and Discounts Notes Official Document Number Components View Outgoing Nota Fiscal

Customer No	Customer Address Name	Series ID	Invoice No	Official Document No	Company	Site
NE RCA DOMESTIC C...	NF-E EMITIDA EM AMB...	CD	009SP015500064158	009SP015500064158	BNFX - Brazilian Comp...	SP01

Invoice Created: 27/08/2024 Order Created: 27/08/2024

Amounts

Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	134,38	100,00	34,38	1	1

LINES: GENERAL | NF-E INFORMATION | HISTORY

Invoice Type	Indicators
CUSTORDDEB - Customer Order Invoice, Debit	Price Adjustment: <input type="checkbox"/> No Advance/Prepayment Invoice: <input type="checkbox"/> No

Please note that once the Nota Fiscal is approved and the related Customer Invoice changes to "posted" status, the application automatically sets the Official Document Number as the Invoice Number (Series + Branch + Model + Sequence), to facilitate reconciliation in subsequent processes.

Click the Official Document Number Components button to verify the values of components separately in the dialog:

Official Document Number Components

Serie	Branch	Fiscal Document Model	Nota Fiscal Number
009 - Goods	SP01 - Branch SP01	55 - Goods - Electronic (NF-e)	000064158

OK Cancel

11.7 Enter Invoicing Plan/Project Transaction

Enter an Invoicing Plan/Project Transaction using standard functionality.

11.8 Create Project Invoice

Create a preliminary Project Invoice.

If a Branch is connected to a Project in the **Project Management/Plan and Execute/Project Setup Parameters** page, Branch is automatically fetched on the Project Invoice. This value can be manually changed by the user as long as the invoice is in "Preliminary" status and no Outgoing Nota Fiscais are created for the Project Invoice.

See further information in the *Outgoing Nota Fiscais* chapter.

Project Management > Plan and Execute > Project Setup Parameters

Project Setup Parameters

Project Details | Definition | Status | Access and Roles | Add Valid Report Codes | Budget Control | Invoicing Plan

Project: BR-1 - Brazilian Project-1
 Company: BR01 - Brazilian Company 01
 Base Currency: BRL - Brazilian Real
 Project Status: **Approved**

Manager: JS JACKIE - Jackie Stewart

Settings

Internal Rental Price List: [Dropdown] | Material Allocation: Within Project | Misc Demand Component Planning Method: Manually Planned | Probability: 100 %

Project Unique Procurement: | Project Unique Billing: | Project Access On: | Propose Procurement:

Exclude Project From Batch Invoices: | Invoice Comment Mandatory:

Branch: BR01

Project Management > Invoicing > Project Invoice

GENERAL | PRE POSTING | ACCOUNTING | NF-E INFORMATION

Invoice Information

Invoice Date: 2/28/2024 | Invoice Type: P8jNV | Series Reference: [Blank] | Invoice Number Reference: [Blank]

Currency Rate: 1 | Our Reference: [Blank] | Customer Ref: [Blank] | Order No: [Blank]

Tax Currency Rate: 1 | Voucher Type: [Blank] | Voucher No: [Blank] | Correction Invoice: No

Correction Reason ID: [Blank] | Correction Reason: [Blank] | Correction Exist: No | Div Factor: 1

Currency: BRL | Business Transaction ID: 103 - Venda de Serviço

Customer Information

Invoice Address: 2 | Delivery Address: 2 | Payment Address: [Blank] | Media Code: [Blank]

Play Term Base Date: 2/28/2024 | Due Date: 3/29/2024 | Payment Terms: 30 - 30 Days Net | Branch: BR01

Payment Method: [Blank] | Supply Country: BRAZIL | Customer Branch: [Blank] | Tax ID Number: [Blank]

National Bank Code: [Blank] | Nature of Business: [Blank]

Official Invoice Number

Series: 010 | Branch: [Blank] | Model: [Blank] | Nota Fiscal Number: [Blank]

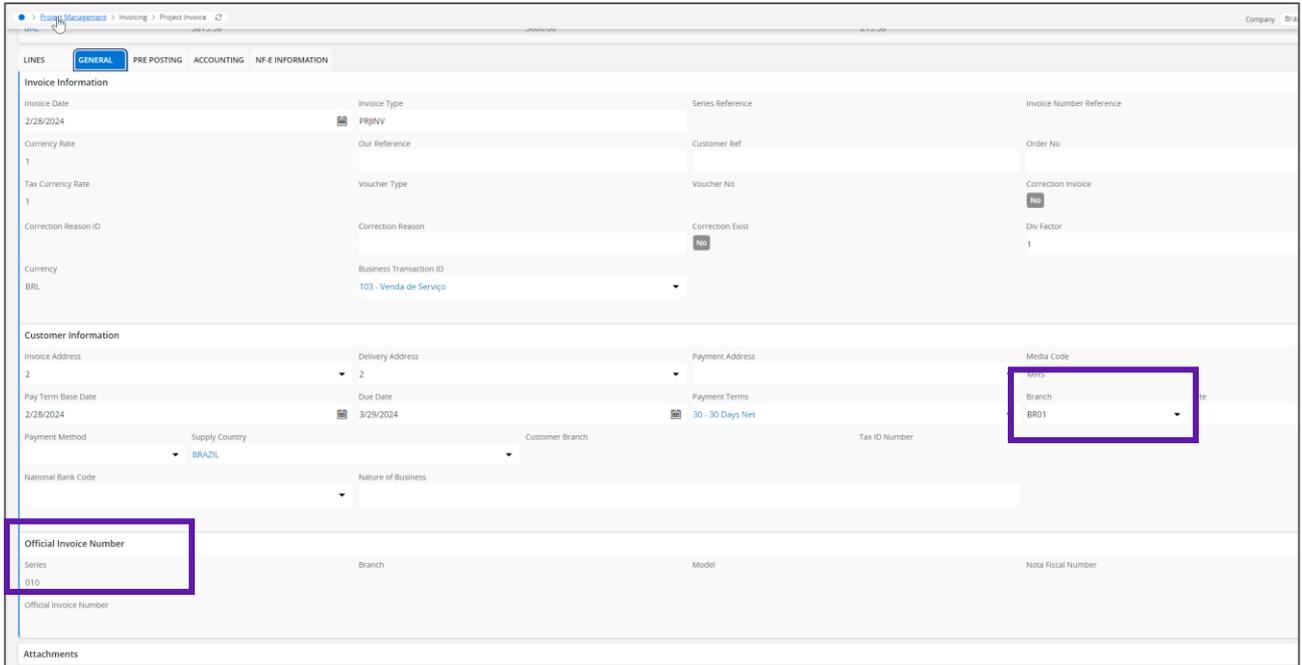
Official Invoice Number: [Blank]

Attachments

If a Branch is not connected to a Project, Branch should be manually entered on the Project Invoice. This value can be manually changed by the user as long as the invoice is in “Preliminary” status and no Outgoing Nota Fiscales are created for the Project Invoice.

See further information in the *Outgoing Nota Fiscales* chapter.

When a Branch is fetched/entered on the Project Invoice, the default Nota Fiscal Series defined for the Branch is shown in the **Project Management/Invoicing/Project Invoice/General** tab.

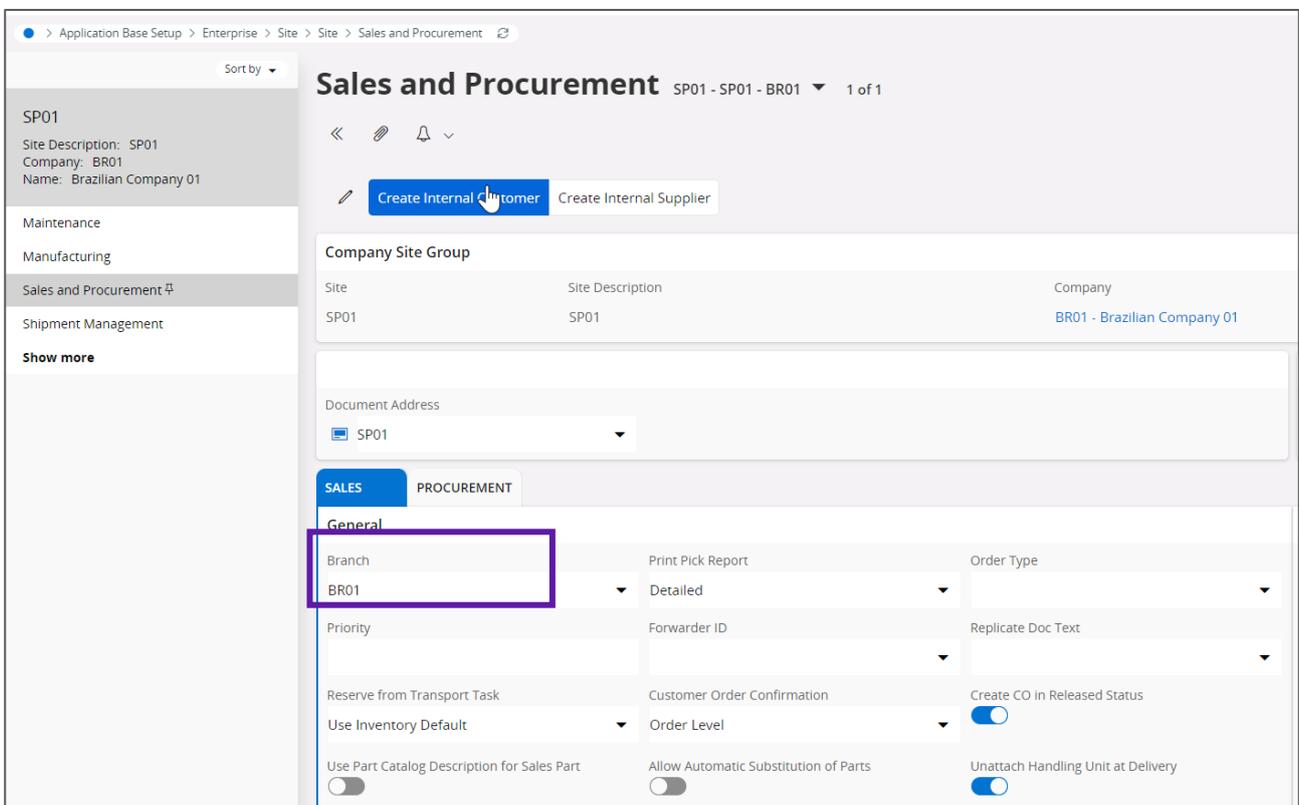


Project Invoice Form Fields:

- Invoice Information:** Invoice Date (2/28/2024), Invoice Type (PJINNV), Series Reference, Invoice Number Reference, Currency Rate (1), Our Reference, Customer Ref, Order No, Tax Currency Rate (1), Voucher Type, Voucher No, Correction Invoice (No), Correction Reason ID, Correction Reason, Correction Exist (No), Div Factor (1), Currency (BRL), Business Transaction ID (103 - Venda de Serviço).
- Customer Information:** Invoice Address (2), Delivery Address (2), Payment Address, Media Code (None), Branch (BR01), Play Term Base Date (2/28/2024), Due Date (3/29/2024), Payment Terms (30 - 30 Days Net), Payment Method, Supply Country (BRAZIL), Customer Branch, Tax ID Number, National Bank Code, Nature of Business.
- Official Invoice Number:** Series (010), Branch, Model, Nota Fiscal Number.

11.9 Create Outgoing Nota Fiscal

When creating an Outgoing Nota Fiscal, the value of the Branch on the Project Invoice will be used to derive a Site according to the basic data in **Application Base Setup/Enterprise/Site/Site/Sales and Procurement** tab.



Sales and Procurement Configuration:

- Company Site Group:**

Site	Site Description	Company
SP01	SP01	BR01 - Brazilian Company 01
- Document Address:** SP01
- General Tab:**
 - Branch: BR01
 - Print Pick Report: Detailed
 - Order Type: [Dropdown]
 - Priority: [Dropdown]
 - Forwarder ID: [Dropdown]
 - Replicate Doc Text: [Dropdown]
 - Reserve from Transport Task: [Dropdown]
 - Customer Order Confirmation: [Dropdown]
 - Create CO in Released Status: [Toggle]
 - Use Inventory Default: [Dropdown]
 - Order Level: [Dropdown]
 - Use Part Catalog Description for Sales Part: [Toggle]
 - Allow Automatic Substitution of Parts: [Toggle]
 - Unattach Handling Unit at Delivery: [Toggle]

Create the Outgoing Nota Fiscal from the Project Invoice.

The Project Invoice is updated with the Official Invoice Number references.

11.10 Delimitations

Project Invoicing for provision of services is supported in this Project Invoice – Initial Solution. Project Invoicing flows not supported in this Project Invoice – Initial Solution are:

- Project Invoicing for sale of goods.
- Credit Project Invoices and Project Correction Invoices.

12 Extended Tax Codes and Tax Calculation Structures Set-Up

12.1 Overview Legal Requirement

In Brazil it's a legal requirement that some tax types are included in the tax base amount. This could be referred as 'Price Including Tax' or more precisely, 'Price Including Selected Taxes'. It is important to note that this is different from 'price including tax' terminology used in IFS standard application.

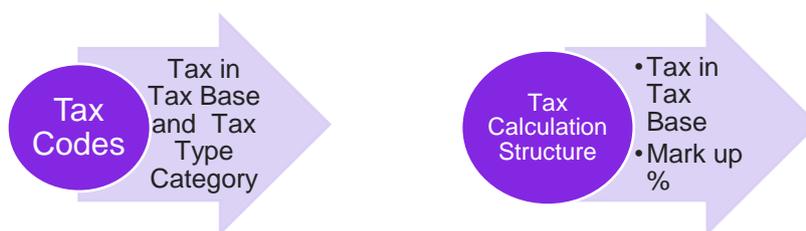
For legal tax reporting purposes, a tax type category must be defined for each tax code.

In CONVÊNIO ICMS 52/62 2017 the Brazilian tax authority introduced a new formula for calculating ICMS ST (ICMS Tax Substitution) tax base amount, including a markup percentage (%).

12.2 Process Overview

Set up basic data for Tax Codes, define Tax Calculation Structures, connect a Tax Calculation Structure to each customer order line and view the taxes on Customer Order Tax Lines and Customer Invoice Tax Lines. Tax amounts are calculated according to the Brazilian requirements.

Tax Calculation Structures functionality can be used on the Project Invoicing and Procurement side as well.



- Tax Codes
 - In **Tax Codes** page two new columns are introduced, "Tax in Tax Base" to facilitate Inclusion of taxes to the tax base amount and "Tax Type Category" to be able to separate the different Brazilian taxes (e.g. ICMS and IPI taxes).
- Tax Calculation Structure
 - In *Tax Calculation Structures* two new columns are introduced, **Tax in Tax Base** and **Mark up (%)**.

12.3 Prerequisites

The company must be set-up to use Brazilian localization, see chapter Company Set up, and you will notice that the mandatory localization parameter "Extended Tax Codes and Tax Calculation Structures set-up" in Localization Control Center is enabled.

- Standard IFS "Price including tax" functionality should not be used.
- Sales parts should be entered without a tax code since taxes from the connected tax calculation structure will be applied.

- All prices (sales part, sales price list, campaigns, agreements etc.) should be entered as Brazilian Net Price = “Raw Price” (standard IFS have a different definition of Net Price).

12.4 Tax Type Category in tax codes page

Define a Tax Type Category for each tax code in page **Accounting Rules/Tax/Tax Codes**.

Tax Codes										
Tax Code ▾ Description ▾ Tax Type ▾ More ▾ Favorites Clear Q Settings										
✓	:	Tax Code	Description	Tax Type	Tax (%)	Deductible (%)	Valid From	Valid To	Tax Type Category	Tax Method Tax Received
<input type="checkbox"/>	:	COFINS-5	COFINS 5%	Tax	5	100	2019-12-04	2049-12-31	COFINS	Invoice Entry
<input type="checkbox"/>	:	ICMS-17	ICMS 17%	Tax	17	100	2019-11-22	2049-12-31	ICMS	Invoice Entry
<input type="checkbox"/>	:	ICMS13	ICMS 13%	Tax	13	100	2019-11-04	2049-12-31	ICMS	Invoice Entry
<input type="checkbox"/>	:	IPI-5	IPI 5%	Tax	5	100	2019-11-22	2049-12-31	IPI	Invoice Entry
<input type="checkbox"/>	:	PIS-2	PIS 2%	Tax	2	100	2019-12-04	2049-12-31	PIS	Invoice Entry

12.5 Tax in Tax Base in Tax Codes Page

12.5.1 TAX IN TAX BASE CALCULATIONS

In Brazilian context, ICMS/ISS, PIS, COFFINS are taxes included in the price (in Brazilian way of explaining). This means tax amounts are included in the tax base amount. The tax % is expressed for the tax base amount which includes tax amount as well.

For example, if the tax percentage is 17% and the price with tax is 100, then the tax amount is equal to 17.00 BRL. In other words, the net amount excluding taxes is 83.00 BRL. The Tax amount is 17.00 BRL. Which means price including tax is 83+17 = 100 BRL. But still the Tax Base amount is 100 BRL which should include tax amount as well.

$$\text{Net Price} = 100 - 17 = 83$$

This is not equal to the 17% tax in the core application

$$\text{Tax Amount in core for 17\%} = 87 \times 17\% = 14.11$$

Therefore, it is clear that Brazilian Tax calculation method yields a different value to that of core calculation. In fact, tax amount itself is included in the tax base amount in Brazilian ICMS and other Brazilian tax types which are included in the price.

Mathematically, tax base amount can be calculated as follows,

$$\text{Tax Base Amount} = \frac{p * 100}{100 - t}$$

Where;

p – Net Amount

t -Tax Rate

12.5.2 DEFINE TAX IN TAX BASE IN TAX CODES

A new toggle button, “Tax in Tax Base” added to the Tax Codes.

Whether the tax amount itself to be included in the tax calculation or not is decided by a toggle button introduced to the Tax Codes form. Users should select this toggle button for ICMS/ISS, PIS, and COFFINS tax type categories since their tax values are included in price. In other words, tax amounts include in the tax base amount.

Tax Codes						
☰ 🔍 📄 + ✎ 🗑️ 📄 Tax Texts per Tax Code Copy to Companies Translati						
Tax Code Description Tax Type Tax in Tax Base More ♥ Favorites Clear 🔍 ⋮ Sett						
(1) ✓	:	Tax Code	Description	Tax Type	Tax (%)	Tax in Tax Base
<input type="checkbox"/>	:	COFINS	COFINS	Tax	20	Yes
<input checked="" type="checkbox"/>	:	ICMS-1	ICMS-1	Tax	10	Yes
<input type="checkbox"/>	:	PIS	PIS	Tax	5	Yes
<input type="checkbox"/>	:	E0	EU Tax 0%	Calculated Tax	0	No
<input type="checkbox"/>	:	E1	EU Tax with no reduction, goods, 25%	Calculated Tax	25	No

For an example, if we take 10% Tax Code enable to “Tax in Tax Base”,

$$\begin{aligned} \text{Net Amount} &= 100.00 \text{ (100\%-10\% = 90\%)} \\ \text{Net Amount as a \%} &= 90\% \end{aligned}$$

$$\text{Tax Base Amount (TB)} = \frac{p \times 100}{100 - t}$$

(Tax Base Amt for
Tax Calculation)

$$TB = \frac{100 \times 100}{100 - 10} = 111.11$$

$$\text{Tax Amount (T)} = 111.11 \times 10\% = 11.11$$

12.5.3 TAX IN TAX BASE IN TAX CALCULATION STRUCTURE

A new column **Tax in Tax Base** is added to the Tax Calculation Structure.

When a new structure item is created and connected a tax code with “Tax in Tax Base” enabled, this new field is automatically set to “Yes” indicating the connected tax code set up.

Tax Calculation Structure BRTS-2 - BRTS-2								
<div style="display: flex; justify-content: space-between; align-items: center;"> + ✎ 🗑️ 📄 Set Preliminary Set Obsolete Translation </div>								
Structure		Description						
BRTS-2		BRTS-2						
Structure Items								
<div style="display: flex; justify-content: space-between; align-items: center;"> ☰ 🔍 📄 ✎ </div>								
✓	:	Structure Item	Calculation Order	Tax Code	Tax%	Include Price in Tax Base	Tax in Tax Base	Markup (%)
<input type="checkbox"/>	:	1	1	ICMS-1 - ICMS-1	10	Yes	Yes	

12.6 Markup (%) in Brazilian Tax Calculation

12.6.1 MARKUP (%) TO THE TAX CALCULATION STRUCTURE

Increasing the Tax Base amount by certain percentage is required for some Brazilian taxes like, ICMS and referred as ICMS Substitute.

A new column “Markup %” added to the Tax Calculation Structure to facilitate this requirement.

Mathematically, tax base amount with a Markup % is calculated as follows,

Calculate new tax base amount for tax codes in the customer order line and customer invoice line.

- a. Take the Net Amount as, “*p*” and the Net Amount as a %, as “*p*%”
- b. Markup % as “*m*”
- c. Tax Percentage as “*t*”
- d. First, Increase “*p*” by markup %, “*m*” as follows,

$$(P + m)$$

- e. Then to get the new tax base amount “*TB*”

$$\text{Tax Base Amount (TB)} = \underline{(P + m)} * 100$$

$$(100-t)$$

f. In the final step, tax (T) to be calculated as follows,

$$\text{Tax } (T) = TB * t$$

$$(t = \text{tax } \%)$$

For an example, if we take 20% Tax Code enable to “Tax in Tax Base”, and “Markup %” as 10%.

$$\begin{aligned} \text{Tax Percentage } (t) &= 20\% \\ \text{Net Amount } (p) &= 100.00 (100\% - 20\% = 80\%) \\ \text{Net Amount as a \%} &= 80\% \end{aligned}$$

$$\text{Markup \%} = 10\%$$

First, Increase “p” by markup %, “m” as follows,

$$\begin{aligned} &= (p + m) \\ &= (100 + 10\%) \end{aligned}$$

$$\text{Tax Base Amount } (TB) = \frac{(p + m) * 100}{(100 - t)}$$

$$\begin{aligned} \text{(Tax Base Amt for} \\ \text{Tax Calculation)} \\ TB &= \frac{100 + 10\%}{100 - 20} * 100 = 137.50 \end{aligned}$$

$$\text{Tax Amount } (T) = 137.50 \times 20\% = 27.50$$

12.6.2 DEFINE MARKUP (%) IN TAX CALCULATION STRUCTURE

A new column **Markup (%)** added to the Tax Calculation Structure.

When a new structure item is created and connected a tax code with “Tax in Tax Base” enabled, user can manually define a markup % to the connected tax code.

Tax Calculation Structure DU:BR:TCS1 - DU:BR:TCS1

Structure	Description
DU:BR:TCS1	DU:BR:TCS1

Structure Items

✓	:	Structure Item	Calculation Order	Tax Code	Tax%	Include Price in Tax Base	Tax in Tax Base	Markup (%)
<input type="checkbox"/>	:	1	1	COFINS - COFINS	20	Yes	Yes	10

Below is an example of how the "Tax Base Amount" and "Tax Amount" is calculated in a CO line with a Markup percentage is set.

Customer Order Line Tax Lines

Gross Amount	Net Amount	Tax Amount
127.50	100.00	27.50

:	Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base
:	137.50	ICMS 20%	Tax	20	27.50	27.50

12.7 Tax calculation structure with Multiple Tax in Tax BASE TAX Codes

As per the Brazilian way of tax calculation, when there are multiple "Tax in Tax Base" tax codes contain in the transaction, those tax rates should be added together to get the tax calculation basis. As explained in the previous chapter, if the "Tax in Tax Base Amount" is selected in the tax code, the tax base amount is calculated as follows,

$$Tax\ Base\ Amount = \frac{p * 100}{100 - t}$$

Where;
p – Net Amount
t -Tax Rate

In multiple “Tax in Tax Base” tax codes scenarios, the above logic is altered to absorb the impact of the sum of all tax rates connected to the Tax Calculation Structure.

In multiple “Tax in Tax Base” tax codes scenario, instead of using the 't', the system will use the sum of all tax rates connected to the tax calculation structure, like $t_1 + t_2 + t_3 + \dots + t_n$ where t_1, t_2, t_3 to t_n indicate the sum of all tax rates connected to the Tax Calculation Structure.

$$\text{Tax Base Amount} = \frac{p * 100}{100 - (t_1 + t_2 + t_3 + \dots + t_n)}$$

Where;

p – Net Amount

$(t_1 + t_2 + t_3 + \dots + t_n)$ - Sum of all tax rates connected to the Tax Calculation Structure

Below example illustrate the how the calculation is done,

- 1) Set it up Tax Calculation Structure with two Tax Codes as follows,
 - a) ICMS 5% with Tax in Tax Base enabled.
 - b) ICMS 20% with Tax in Tax Base enabled and added Markup percentage as 10%

Tax Calculation Structure BR:ST:3:M% - TCS with Markup %									
Structure: BR:ST:3:M% Description: TCS with Markup %									
Structure Items									
✓	:	Structure Item	Calculation Order	Tax Code	Tax%	Include Price in Tax Base	Tax in Tax Base	Markup (%)	
<input type="checkbox"/>	:	1	1	ICMS 5% - ICMS 5%	5	Yes	Yes		
<input type="checkbox"/>	:	2	2	ICMS 20% - ICMS 20% with M% 10%	20	Yes	Yes	10	

- 2) Create a CO Line connecting the above Tax Calculation Structure

- a) ICMS 5% with “Tax in Tax Base” is calculated as follows,

$$\text{Tax Base Amount} = \frac{p * 100}{100 - (t_1 + t_2 + t_3 + \dots + t_n)}$$

p – Net Amount = 100.00

$(t_1 + t_2 + t_3 + \dots + t_n)$ - Sum of all tax rates connected to the Tax Calculation Structure
 $= 100 - (5 + 20)$
 $= 100 - 25$
 $= 75$

$$\text{Tax Base Amount} = \frac{100 * 100}{100 - (5 + 20)}$$

$$\text{Tax Base Amount} = \frac{100 * 100}{75}$$

$$\text{Tax Base Amount} = 133.33$$

b) ICMS 20% with “Tax in Tax Base” enabled and added Markup percentage as 10% is calculated as follows,

$$\text{Tax Base Amount} = \frac{(p + m) * 100}{100 - (t_1 + t_2 + t_3 + \dots + t_n)}$$

P = Net Amount

M = Markup percentage

$(p+m)$ = Increase “ p ” by adding markup %, “ m ”

$(t_1 + t_2 + t_3 + \dots + t_n)$ = Sum of all tax rates connected to the Tax Calculation Structure

$$\text{Tax Base Amount} = \frac{(100 + m) * 100}{100 - (t_1 + t_2 + t_3 + \dots + t_n)}$$

$$\text{Tax Base Amount} = \frac{(100 + 10) * 100}{100 - (5 + 20)}$$

$$\text{Tax Base Amount} = \frac{(110) * 100}{75}$$

$$\text{Tax Base Amount} = 146.67$$

a) ICMS 5% “Tax” is calculated as follows,

$$\text{Tax Amount} = \text{Tax Base Amount} * t$$

$$\text{Tax Amount} = 133.33 * 5\%$$

$$\text{Tax Amount} = 6.67$$

- b) ICMS 20% with “Tax in Tax Base” enabled and added Markup percentage as 10% is calculated as follows,

$$\text{Tax Amount} = \text{Tax Base Amount} * t$$

$$\text{Tax Amount} = 146.67 * 20\%$$

$$\text{Tax Amount} = 29.33$$

Customer Order Line Tax Lines							
Gross Amount		Net Amount		Tax Amount			
136.00		100.00		36.00			
<div style="display: flex; justify-content: space-between; align-items: center;"> ☰ 🔍 🔄 Set Default </div>							
:	Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base	
:	133.33	ICMS 5%	Tax	5	6.67	6.67	
:	146.67	ICMS 20%	Tax	20	29.33	29.33	
OK		Cancel					

12.8 Delimitations

No additional support for manual tax handling is planned in future releases.

13 Integration to Brazilian External Tax System – Tax Determination

13.1 Overview Business Requirement

IFS developed an integration with third-party Brazilian External Tax System, Avalara Brazil, which allows the user to rely on Avalara for retrieval of correct tax information when performing a taxable business transaction in IFS Applications in Brazilian companies. With this integration, the whole process of tax determination is done by Avalara instead of calculating and updating tax information manually on the business transaction level.

When a tax calculation is performed e.g. on the Customer Order level, Project Invoice level, Order Quotation level or Purchase Order level, IFS Cloud uses the Avalara integration to calculate/fetch the correct tax information like, Tax Rates, Tax Amounts and other tax-related information and insert it to the CO, Project Invoice, OQ or PO Line level.

The integration supports the following functional flows in IFS:

- Business Opportunity
- Sales Quotation
- Customer Order
- Customer Order Invoice
- Customer Order Line Connected Charge Lines
- Outgoing Tax Document
- Project Invoice – Initial Solution
- Order Quotation
- Purchase Order, Part Lines
- Purchase Order Line Connected Charge Lines
- Purchase Order Change Order
- Incoming Nota Fiscal

All the other areas in IFS Cloud are using core functionality for calculating taxes.

Avalara offers a software application called AvaTax Brazil for the Brazilian market. AvaTax Brazil keeps track of valid tax information like tax types, tax rates, legislation, and rules applicable and then performs the tax calculations accordingly.

When a tax call is initiated from IFS Cloud, a call is made to the AvaTax Brazil software to fetch the correct tax types and tax rates, in the Sales flow based on the information on the customer, business opportunity, sales quotation, customer order, customer order invoice and tax document, in Project Invoicing flow from the information on the Customer, Project Invoice, or in the Procurement flow from the supplier, order quotation and purchase order. The following main parameters are used to identify the correct tax rate:

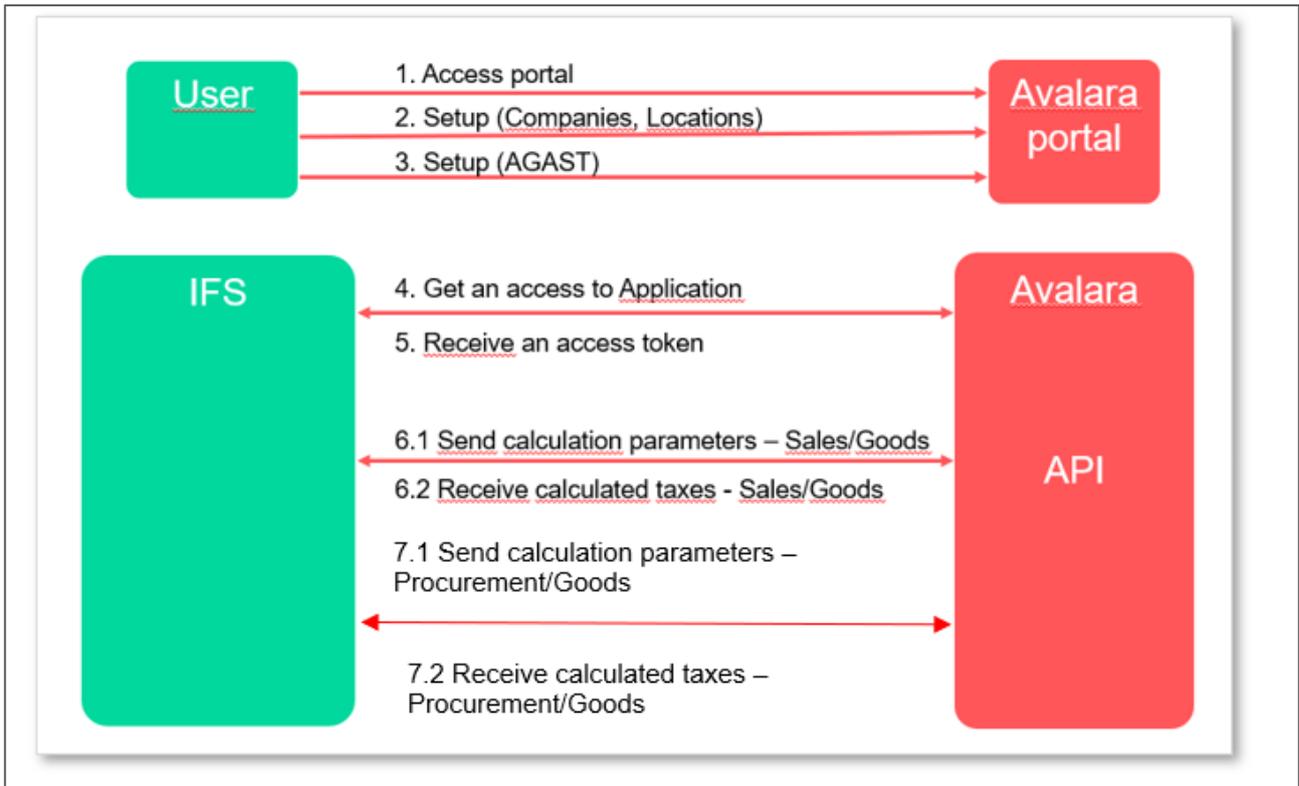
- Company Document Address
- Company tax registration numbers, activity sector and tax regime
- Customer setting for ICMS Taxpayer
- Customer Document Address (the document address associated with the customer order or the Project Invoice)
- Customer tax registration numbers, activity sector and tax regime

- Supplier setting for ICMS Taxpayer
- Supplier Document Address and supplier tax registration numbers
- Goods classification code (NCM) on sales respectively purchase parts in OQ and/or PO
- Goods acquisition reason on sales respectively purchase parts in OQ and/or PO
- Goods acquisition origin on sales respectively purchase parts in OQ and/or PO
- Business transaction code on sales respectively order quotation and/or purchase order
- Discount Amount on the OQ line
- Discount Amount on the PO line
- Line connected charge on PO
- Line connected charge on CO
- Line connected charge on SQ

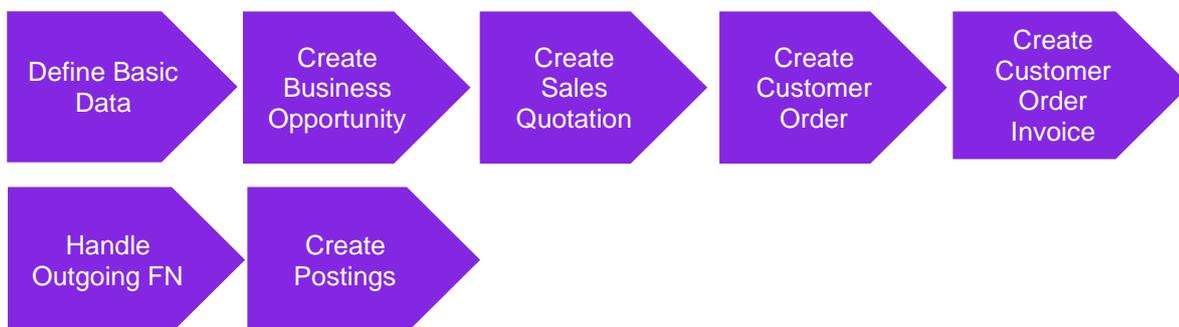
In addition to these main parameters, information such as the price and quantity is also passed to the AvaTax software to ensure the correct tax types and tax rates are fetched. The discount amount is needed to be calculated if any discount is added for each row in the order quotation and/or purchase order and sent to Avalara. Based on the information sent, Avalara determines the correct tax rates and tax amounts and return the information back to IFS Cloud. The information is then uploaded into the relevant Business Opportunity, Sales Quotation Tax Lines, Customer Order Tax Lines, Customer Order Invoice Tax Lines, Project Invoice Tax Lines, Order Quotation Tax Lines, Purchase Order Tax Lines etc.

13.2 Process Overview

Integration Overview Example



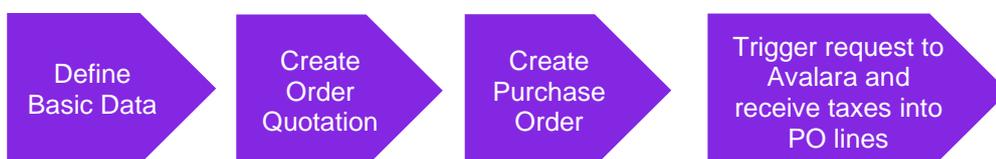
Process Overview with Customer Order sales of goods



Process Overview with Project Invoice – Initial Solution



Process Overview with Purchase Order purchase of goods



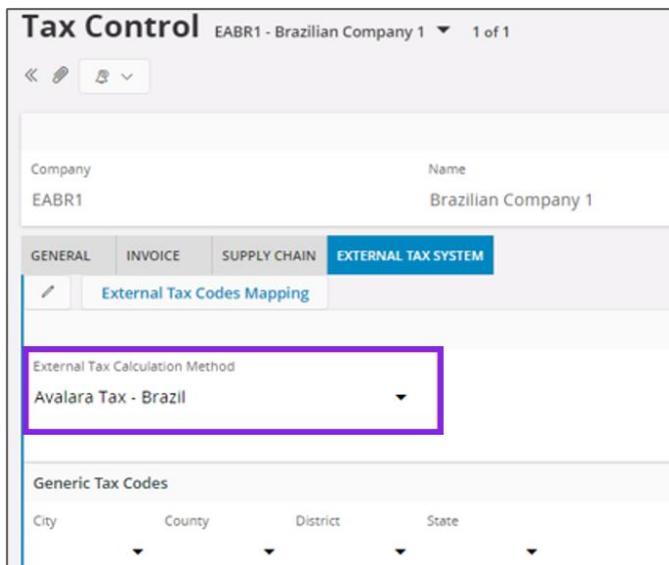
Process Overview with Incoming Nota Fiscal



13.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Integration to Brazilian External Tax System” parameter must be enabled.

Select “Avalara Tax - Brazil” as the External Calculation Method in page **Application Base Setup/Enterprise/Company/Company/Tax Control** and tab **External Tax System**.



The screenshot shows the 'Tax Control' interface for 'EABR1 - Brazilian Company 1'. The 'EXTERNAL TAX SYSTEM' tab is active, and the 'External Tax Calculation Method' is set to 'Avalara Tax - Brazil'. Below this, there are fields for 'Generic Tax Codes' including City, County, District, and State.

The prerequisites for IFS Cloud to communicate with Avalara is that the tax liability on the customer address is set to TAX and the sales part is taxable. In the Project Invoicing flow, the tax liability on the customer address should be set to TAX and the Report Code should be taxable. Also for the procurement flow the tax liability need to be TAX on the supplier address and the purchase part should be taxable.

Note that also parameters “Acquisition Origin”, “Business Operation”, “Brazilian Specific Fiscal Attributes”, “Address Specific Tax ID Numbers”, “Goods/Services Statistical Codes”, “Extended Tax Codes Tax Calculation Structures set-up”, “Outgoing Nota Fiscals” and “Use Automatic Generation of Official Invoice Numbers” must be enabled to fulfill data requirements for the Integration. Also, company, customer and supplier basic data for tax calculation and Nota Fiscal must be defined. Please see the specific chapters on how to set up the data needed. Same basic data needed for Outgoing Nota Fiscal, as for example Detailed address, States and Cities, are also needed for the Procurement flow.

13.4 Define Basic Data

In order to utilize the IFS integration for Avalara, some basic data set-up is required with regards to the Tax Codes, the Company, the Customer, Part and Sales Parts for sales flow, Report Codes for Project Invoicing flow, as well as the Supplier and Purchase Parts for procurement flow. If line-connected sales or purchase charges are used, the sales or purchase charge types must also have corresponding values connected to the Brazil Charge Category.

13.4.1 EXTERNAL TAX SYSTEM PARAMETERS

The Avalara Brazil connection information is defined in the page **Application Base Setup/Enterprise/Tax/External Tax Systems/External Tax Systems Parameters**.

External Tax System Parameters

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Vertex O Series Connection Information

User Name	Password
-----------	----------

Avalara Connection Information

User Name	Password
-----------	----------

Avalara Brazil Connection Information

Client ID	Client Secret
0aa49b97-6be1-46b4-b271-f4efaa221f60

13.4.2 DISABLE CUSTOMER AND SUPPLIER TAX CODE VALIDATIONS

Disable Customer Tax Code Validations in the page **Application Base Setup/Enterprise/Company/Company/Tax Control** and the **General** tab. Also, do the same for the Supplier Tax Code Validation.

Tax Control

CE-COMP-BRAZIL - CE company with Brazil localization 1 of 5

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Company	Name	Association No	Created By
CE-COMP-BRAZIL	CE company with Brazil localization		CEFRSE

GENERAL

INVOICE

SUPPLY CHAIN

EXTERNAL TAX SYSTEM

Customer Tax Code Validation

Object Level

Address Level

Transaction Level

Supplier Tax Code Validation

Object Level

Transaction Level

Max Overwriting Level on Tax

Level in Percent

Level in Accounting Currency

Additional Parameters

Tax Liability

Tax Rounding Method Round to the Nearest

Modify Tax % in Tax Codes

13.4.3 DEFINE TAX INTEGRATION PARAMETERS

Enable the toggle “Refresh Tax Information at Release of Customer Order” in page **Application Base Setup/Enterprise/Company/Company/Tax Control** and tab **External Tax System**.

The user can control the number of requests sent from IFS Cloud to Avalara by enabling or disabling the “Automatic Fetch of Tax information at Part/Charge Line Entry” toggle for Sales and Project Invoicing.

For procurement a similar toggle is there to control requests sent to Avalara in the procurement flow.

Tax Control

Q Search (4)

» STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY ▼ 1 of 4

✎ 🔔 ▼

Company	Name	Association No	Created By
STDBRAZIL	STDBRAZIL - PLEASE DON'T CHANGE T...		ROALBR

GENERAL INVOICE SUPPLY CHAIN **EXTERNAL TAX SYSTEM**

✎ External Tax Codes Mapping

External Tax Calculation Method *
Avalara Tax - Brazil ▼

Generic Tax Codes

City County District State

Tax Integration Parameters for Sales	Tax Integration Parameters for Procurement
Refresh Tax Information at Release of Customer Order/Sales Quotation <input checked="" type="checkbox"/>	Refresh Tax Information at Release of Purchase Order <input checked="" type="checkbox"/>
Automatic Fetch of Tax Information at Part/Charge Line Entry <input checked="" type="checkbox"/>	Automatic Fetch of Tax Information at Part/Charge Line Entry <input checked="" type="checkbox"/>

13.4.4 ENTER 0% TAX CODES FOR THE BRAZILIAN TAX TYPES

Add one tax code per tax type category with 0% in page **Accounting Rules/Tax/Tax Codes**. The 0-percentage rate will be replaced by the correct percentage rate for the specific tax scenario in transaction level based on the tax response from 3rd party tax determination engine Avalara.

Tax Codes

✓	:	Tax Code	Description	Tax Type	Tax (%)	Deductible (%)	Tax Type Category	Tax in Tax Base
<input type="checkbox"/>	:	BR COFINS-0	BR Cofins 0%	Tax	0	100	COFINS	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/>	:	BR ICMS-0	BR ICMS 0%	Tax	0	100	ICMS	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/>	:	BR IPI-0	BR IPI 0%	Tax	0	100	IPI	<input type="checkbox"/> No
<input type="checkbox"/>	:	BR PIS-0	BR PIS 0%	Tax	0	100	PIS	<input checked="" type="checkbox"/> Yes

Next select the command **External Tax Code Mapping** in the page **Application Base Setup/Enterprise/Company/Company/Tax Control** and tab **External Tax System**. Add pre-defined 0% tax codes.

Tax Control

EABR1 - Brazilian Company 1 1 of 1

Company: EABR1 Name: Brazilian Company 1

GENERAL INVOICE SUPPLY CHAIN **EXTERNAL TAX SYSTEM**

External Tax Codes Mapping

External Tax Calculation Method: Avalara Tax - Brazil

External Tax Codes Mapping

☰
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+
✎

		Tax Type Category	Tax Code	Tax (%)	Tax in Tax Base
✓	⋮	COFINS	BR COFINS-0 - BR Cofins 0%	0	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/>	⋮	ICMS	BR ICMS-0 - BR ICMS 0%	0	<input checked="" type="checkbox"/> Yes
<input type="checkbox"/>	⋮	IPI	BR IPI-0 - BR IPI 0%	0	<input type="checkbox"/> No
<input type="checkbox"/>	⋮	PIS	BR PIS-0 - BR PIS 0%	0	<input checked="" type="checkbox"/> Yes

13.4.5 DEFINE THE SALES PART PRICE WITHOUT TAXES

Avalara is using 3 different calculation types, namely “Net”, “Gross” and “Final”. Currently IFS is only support tax base amount on “Net” basis. Therefore, the users need to define sales price/Sales charge price without tax in sales part and other pricing sources.

Sales Part SARK01 - Sark Brazil Part 01 - SARKB 1 of 1

Inventory Part Availability Planning
Complementary Parts
Sub

Sales Part No: **SARK01**
 Part Description in Use: **Sark Brazil Part 01**

GENERAL	DESCRIPTIONS	CHARACTERISTICS	CHARGES	EXTERNAL TAX PARAMETERS	MAINTENANCE	PART SPECIFIC C
Inventory Part						
Part No	Description	Configurable	DOP			
SARK01	Sark Brazil Part 01	No	No			
Unit Of Measure ▼						
Pricing						
Price	Price Including Tax	Expected Average Price				
72.75 BRL	72.75 BRL					
Rental Price	Rental Price Including Tax					
0.00 BRL	0.00 BRL					

Refer the Appendix 2 for more details.

13.4.6 DEFINE THE PROJECT SALES PRICE WITHOUT TAXES

Avalara is using 3 different calculation types, namely “Net”, “Gross” and “Final”. Currently IFS is only support tax base amount on “Net” basis. Therefore, the users need to define sales price without tax in Project and other pricing sources.

Project Management > Plan and Execute > Project Setup Parameters

Exclude Project From Batch Invoices: Invoice Comment Mandatory: Branch: BR01

Budgeting and Forecasting
 Financially Responsible: [dropdown] Budget Control On: No Control As Budgeted: No Control On Total Budget: No

Month End Accruals
 Default Cost Activity: [dropdown]

Brazilian Specific Attributes
 Business Transaction ID: 103 - Venda de Serviço

CURRENCY PRE POSTINGS MANUAL CONNECTIONS FINANCE DOCUMENT TRANSMITTALS **PRICING** RESOURCE CRITERIA PCE CODE PART MCPR SUPPLIER ACTIVITY LINKS MCPR CUSTOMER ACTIVITY LINKS MCPR DEFAULT SUPPLIER ACTIVITIES JOB RATE MANAGEMENT

Pricing Information
 Sales Price ID: [dropdown] Supplier Invoice Margin ID: [dropdown] Expense Margin List ID: [dropdown] Standard Margin For Material: [dropdown]
 Currency Code: [dropdown] Cost Plus Basis: [dropdown]

MultiCompany Revenue Reporting Method
 Multi-Company Revenue Reporting Method: [dropdown]

If the fields on above groups are left blank, data from the customer of the project will be used. Any entered data in these fields will override the customer values.

Specific Sales Price

Sub Project ID	Description	Activity ID	Activity Description	Resource ID	Resource ID Description	Report Code	Report Code Description	Sales Price	Currency Code	Cost Plus	Markup Percentage	Markup Price	Markup Currency Code	Valid From	Valid To
								500.00	BRL	<input type="checkbox"/> No				2/2/2022	1/1/4000

Specific Billing Category Description Override: [dropdown]

Refer the Appendix 2 for more details.

13.4.7 DEFINE THE SUPPLIER FOR PURCHASE PART PRICE INCLUDING TAXES

When using the Avalara integration, you will need to set the Purchase Part as taxable so you can add tax code as 0 in the **Supplier for Purchase Part** page. You should also enable the **Use Price incl Tax** toggle, so you can define the default Purchase Price incl Tax.

Supplier for Purchase Part CE-BRAZIL-PART1 - CE part 1 in Brazil - CE-B1 - CE-BR-SUP1 6 of 24+

Create Customer Create Sales Part Supplier Warranty Control Plan Export Control Emissions Alternate Purchase Parts Document Text Set Qualified Supplier

Part: CE-BRAZIL-PART1 - CE part 1 in Brazil
 Supplier: CE-BR-SUP1 - CE Brazil supplier 1
 Supplier Contact: [dropdown]
 Site: CE-B1

Active: Document Text: No

Notes

GENERAL INSPECTION INFO PRICE LIST RENTAL PRICE LIST MANUFACTURERS CONSIGNMENT CHARGES DELIVERY OVERHEADS

Part Parameters

Supplier's Part Information

Units of Measure

Order Information

Price Information

Price	Purchase Price incl Tax	Rental Price	Rental Price Incl Tax
80.00	80.00	0.00	0.00
Add Cost Net/Curr	Add Cost Gross/Curr	Currency Code	Tax Code
0.00	0.00	BRL	0 - Tax 0%
Discount (%)			
0			

For companies using Avalara, the created order quotation and purchase orders will have the default

setting as “Price incl Tax” (on OQ part line and PO header) regardless of setup on supplier and company.

13.5 Create Business Opportunity

For Business Opportunity you must manually run the **Update External Taxes** command for the opportunity lines to initiate a new tax request to Avalara.

13.6 Create Sales Quotation

For Sales Quotation a new tax Calculated/Fetches is initiated resulting in new tax requests being sent to Avalara under the following circumstances:

- New sales quotation line is added
- Sales Qty is updated
- Sales Price is updated
- Quotation Address is updated
- Sales charge Line is connected to a SQ line
- Quotation Line Address is updated
- Goods/Services Statistical Code is updated
- Acquisition Origin updated
- Acquisition Reason Id is updated
- Sales Quotation is Released

User can decide whether the taxes are Calculated/Fetches upon, “Release of Sales Quotation” or “Line Entry Level”. This is controlled by the IFS Application core functionality, **Company/Tax Control/External Tax System** tab, “*Tax Integration Parameters for Sales*”.

Example: If user decides not to send tax requests upon releasing the quotation. Then you need to disable the option **Refresh Tax Information at Release of Customer Order/Sales Quotation** in **Company/Tax Control/External Tax System** tab.

Tax Control

Search (4)

STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY 1 of 4

Company: STDBRAZIL | Name: STDBRAZIL - PLEASE DON'T CHANGE T... | Association No: | Created By: ROALBR

GENERAL | INVOICE | SUPPLY CHAIN | **EXTERNAL TAX SYSTEM**

External Tax Codes Mapping

External Tax Calculation Method *: Avalara Tax - Brazil

Generic Tax Codes: City, County, District, State

Tax Integration Parameters for Sales

Refresh Tax Information at Release of Customer Order/Sales Quotation

Automatic Fetch of Tax Information at Part/Charge Line Entry

Tax Integration Parameters for Procurement

Refresh Tax Information at Release of Purchase Order

Automatic Fetch of Tax Information at Part/Charge Line Entry

The Sales Quotation Line/Tax Lines dialog will be updated with the data received from Avalara, including Tax Base Amount, IFS Tax Code (fetched based on the tax codes mapping set-up), Tax %, Tax Amount, CST Code, Legal Tax Class (for IPI taxes) and Tax Type Category.

Quotation Line Tax Lines

Gross Amount	Net Amount	Tax Amount
2166,28	1730,00	436,28

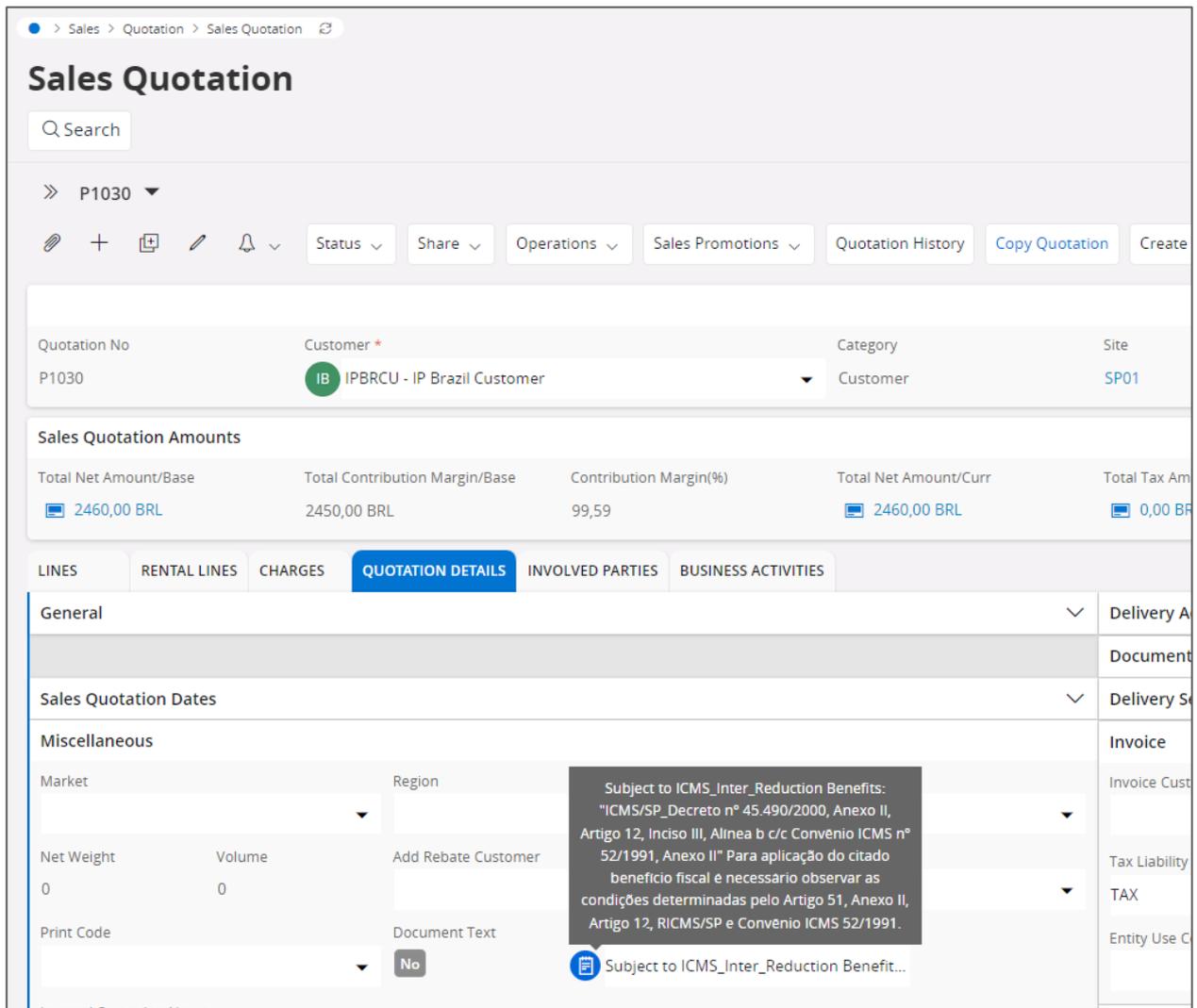
Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base	Impact On Net Amount	CST Code	Legal Tax Class	Tax Type Category	Benefit Code	Citation
1906,33	COFINS	Tax	7,6	144,88	144,88	Tax Inclusive	01		COFINS		PIS/COFINS Lei nº 10.833/2003, Artigo 2º
2166,28	ICMS	Tax	12	259,95	259,95	Tax Inclusive	00		ICMS		ICMS/SP_Decreto nº 45.490/2000, Artigo 52, Inciso III
1906,33	PIS	Tax	1,65	31,45	31,45	Tax Inclusive	01		PIS		PIS/COFINS Lei nº 10.637/2002, Artigo 2º

OK Cancel

13.7 Citation Information in Sales Quotation Level

In the Avalara response message, there is a placeholder called “Citation” which is information related to possible tax benefits applicable for the tax scenario, for example that the company might be subject to ICMS reduction benefits. The Citation information usually refers to the conditions in an article or paragraph to be observed in more details for possible application of said tax benefit.

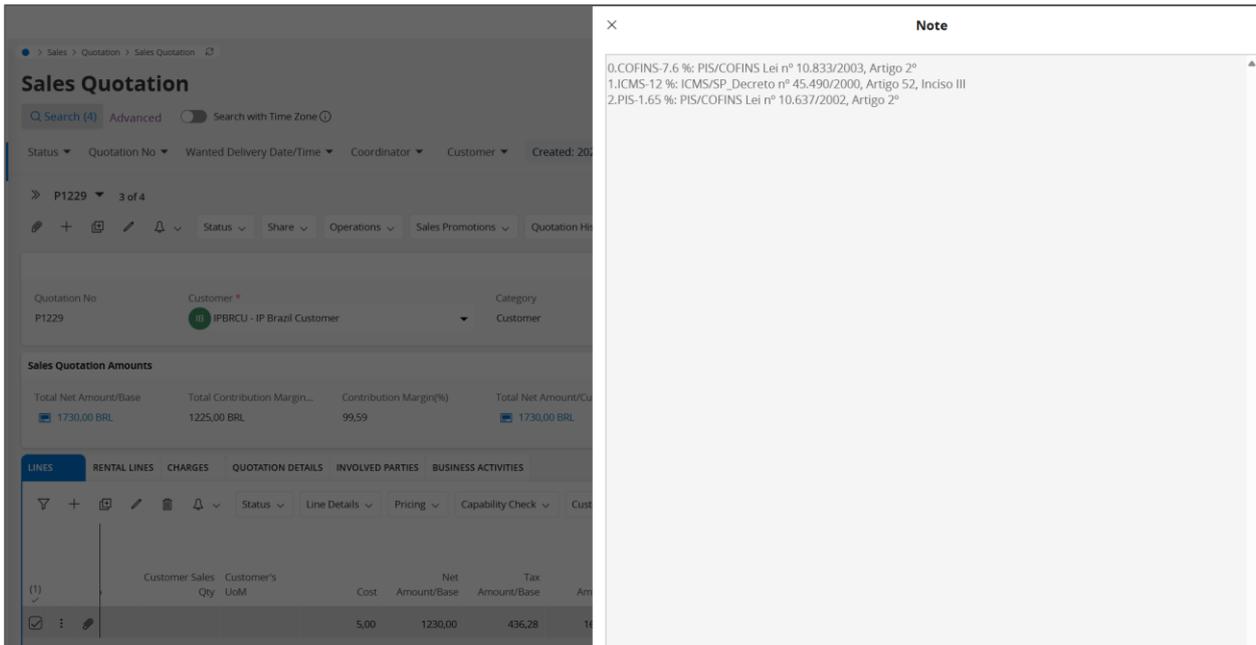
The Avalara “Citation Information” is saved as a “Note” on the Sales Quotation header and on the Sales Quotation lines.



The screenshot displays the 'Sales Quotation' interface for quotation P1030. The customer is identified as 'IPBRCU - IP Brazil Customer'. The 'Sales Quotation Amounts' section shows a total net amount of 2460,00 BRL and a total contribution margin of 2450,00 BRL. The 'QUOTATION DETAILS' tab is active, showing various fields like Market, Region, Net Weight, and Volume. A tooltip is visible over the 'Region' field, containing the following text:

Subject to ICMS_Inter_Reduction Benefits:
 "ICMS/SP_Decreto nº 45.490/2000, Anexo II,
 Artigo 12, Inciso III, Alínea b c/c Convênio ICMS nº
 52/1991, Anexo II" Para aplicação do citado
 benefício fiscal é necessário observar as
 condições determinadas pelo Artigo 51, Anexo II,
 Artigo 12, RICMS/SP e Convênio ICMS 52/1991.

Below the tooltip, there is a button labeled 'Subject to ICMS_Inter_Reduction Benefit...'. The interface also shows a right-hand sidebar with sections like 'General', 'Sales Quotation Dates', 'Miscellaneous', and 'Invoice'.



Refer the Appendix 2 for the Avalara Request File Mapping details.

13.8 Create Customer Order

For Customer Order a new tax Calculated/Fetched is initiated resulting in new tax requests being sent to Avalara under the following circumstances:

- New customer order line is added
- Sales Qty is updated
- Sales Price is updated
- Order Address is updated
- Sales charge Line is connected to a CO line
- Order Line Address is updated
- Goods/Services Statistical Code is updated
- Acquisition Origin updated
- Acquisition Reason Id is updated
- Order is Released

User can decide whether the taxes are Calculated/Fetched upon, “Release of Customer Order” or “CO Line Entry Level”. This is controlled by the IFS Application core functionality, **Company/Tax Control/External Tax System** tab, “Tax Integration Parameters for Sales”.

Example: If user decides not to send tax requests upon releasing the order. Then you need to not select the option **Refresh Tax Information at Release of Customer Order** in **Company/Tax Control/External Tax System** tab (standard functionality).

Tax Control

EABR1 - Brazilian Company 1 1 of 1

Company: EABR1 Name: Brazilian Company 1 Association No:

GENERAL INVOICE SUPPLY CHAIN **EXTERNAL TAX SYSTEM**

Save Cancel Edit

External Tax Calculation Method: Avalara Tax - Brazil

Generic Tax Codes: City, County, District, State

Tax Integration Parameters: Refresh Tax Information at Release of Customer Order Automatic Fetch of Tax Information at Para/Charge Line Entry

Customer Order

P11278-3 1 of 1 Planned

Order No: P11278-3 Customer: SARKBRCUST - SARK BRAZIL CUSTOMER Site: SARKB Order Type: NO Wanted Delivery Date/Time: 2021-08-05 20:00

Order Amounts: Total Net Amount/Base: 727,50 BRL Total Contribution Margin/Base: -22,50 BRL Contribution Margin(%): -3,09 Total Net Amount/Curr: 727,50 BRL Total Tax Amount/Curr: 111,12 BRL Total Gross Amount/Curr: 838,62 BRL

LINE	RENTAL LINES	ORDER DETAILS	CHARGES	INVOLVED PARTIES							
Line No	Del No	Sales Part No	Sales Part Description	Sales Qty	Sales UoM	Price/Curr	Price Incl Tax/Curr	Goods/Services Statistical Code	Acquisition Reason Id	Price UoM	Total Calc Sales Price/Curr
1	1	SARK01	Sark Brazil Part 01	10	pcs	72,75	83,86	74081100 - Copper Wir...	4 - Production	pcs	72,75

Application Messages 1739266 1 of 1

[View all Messages for this Queue and Status](#)
[Move To Queue](#)
[Message Queue Settings](#)
[Duplicate And Release](#)

Application Message ID	Subject	Type
1739266	Message has been successfully executed	CONNECT
Function	Receiver	State
AVALARA_BR_TAX_CALC_SERVICE	CONNECT	Finished
State Date	Options	Error Text
2021-08-05 19:18		
Initiated By	Initiated	Execute As
ERARSE	2021-08-05 19:18	Initiator
Queue	Inbound	Routing Rule Used
DEFAULT	No	Example_Avalara_Brazil_Tax_Calculation_Service

Input Message Data

☰ ▾ [t] ▾

✓ : Name

☐ : MESSAGE_REQUESTS.json

Output Message Data

☐ : MESSAGE_RESPONSE.txt

Chain Link No	Address Data	Transport Connector	State	Error Text	Envelope	Transformer
1	https://avataxbr.sandbox.avalara.com.br/...	REST	Transferred			

```

*MESSAGE_REQUEST (5).json - Notepad
File Edit Format View Help
{"header":{"eDocCreatorType":"self"
"amountCalcType":"net"
"companyLocation":"77214253000192"
"documentCode":"P11278-3"
"invoiceNumber":null
"invoiceSerial":null
"messageType":"goods"
"Locations":{"entity":{"name":"SARKBRCOM"
"federalTaxId":"77214253000192"
"stateTaxId":"2563339899991"
"suframa":"865302326"
"taxRegime":"realProfit"
"taxesSettings":{"icmsTaxPayer":"true"}
"address":{"street":"Rua Trinta e Nove"
"zipcode":"01000-000"
"cityCode":"7107"
"cityName":"SAO"
"state":"SP"
"countryCode":"1058"
"country":"BRA"}
"activitySector":{"type":"cnae","code":"2656265"}}
"establishment":{"name":"SARKBRCUST"
"federalTaxId":"4345245000116"
"stateTaxId":"65365365369841"
"suframa":"986475096"
"taxRegime":"realProfit"
"taxesSettings":{"icmsTaxPayer":"false"}
"address":{"street":"Rua Adelino Ant3nio Chaves"
"zipcode":"69900-000"
"cityCode":null
"cityName":null
"state":"AC"
"countryCode":"1058"
"country":"BRA"}
"activitySector":{"type":"cnae"
"code":"265563"}
}
}
"invoicesRefs":{"documentCode":""}
}
"Lines":[{"LineCode":"1"
"itemCode":"SARK01"
"numberOfItems":10
"LineUnitPrice":72.75
"LineAmount":727.5
"LineTaxedDiscount":null
"useType":"production"
"operationType":"standardSales"
"orderNumber":"P11278-3"

```

```

*MESSAGE_RESPONSE (4).txt - Notepad
File Edit Format View Help
{"header":{"eDocCreatorType":"self"
"amountCalcType":"net"
"companyLocation":"77214253000192"
"documentCode":"P11278-3"
"invoiceNumber":0
"invoiceSerial":0
"messageType":"goods"
"Locations":{"entity":{"name":"SARKBRCOM"
"federalTaxId":"77214253000192"
"stateTaxId":"2563339899991"
"suframa":"865302326"
"taxRegime":"realProfit"
"taxesSettings":{"icmsTaxPayer":true
"enableCprb":false
"usesInssCprbToGrossValue":false
"pisCofinsIcmsTaxRelief":false}
"address":{"street":"Rua Trinta e Nove"
"zipcode":"01000-000"
"cityCode":"3550308"
"cityName":"S3o Paulo"
"state":"SP"
"countryCode":"1058","country":"BRA"}
"activitySector":{"type":"cnae","code":"2656265"}},
"establishment":{}},
"Lines":[{"LineCode":1
"itemCode":"SARK01"
"numberOfItems":10
"LineUnitPrice":83.862
"LineAmount":838.62
"LineTaxedDiscount":0
"useType":"production"
"operationType":"standardSales"
"orderNumber":"P11278-3"
"taxType":"cofins"
"citation":"PIS/COFINS Lei n3 10.833/2003, Artigo 23"
"citationId":"b476dea8-2442-4430-8854-3a794891bdef"
"subtotalTaxable":838.62
"rate":7.6
"tax":63.74
"exemptionCode":""
"traceCode":"C006"
"cst":"01"
"calcMode":"rate"
"isCustomCitation":false}
{"jurisdictionName":"Acre"
"jurisdictionType":"State"
"taxImpact":{"impactOnFinalPrice":"Included"
"impactOnNetAmount":"Included","accounting":"Liability"}
"taxType":"icms"
"citation":"ICMS/AC Decreto n3 8/1998, Artigo 17, Par3grafo 23",
"subtotalTaxable":838.62
"rate":4
"tax":33.54
"exemptionCode":""
"traceCode":"C006"
"source":"1"
"cst":"00"
"modBC":"3"

```

The Customer Order Line/Tax Lines dialog will be updated with the data received from Avalara, including Tax Base Amount, IFS Tax Code (fetched based on the tax codes mapping set-up), Tax %, Tax Amount, CST Code, Legal Tax Class (for IPI taxes) and Tax Type Category.

✕
Customer Order Line Tax Lines

Gross Amount	Net Amount	Tax Amount
838,62	727,50	111,12

☰
▼
⊞
+
Set Default

	Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base	CST Code	Legal Tax Class	Tax Type Category
⋮	838,62	BR COFINS-0	Tax	7,6	63,74	63,74	01		COFINS
⋮	838,62	BR ICMS-0	Tax	4	33,54	33,54	00		ICMS
⋮	838,62	BR IPI-0	Tax	0	0,00	0,00	51	999	IPI
⋮	838,62	BR PIS-0	Tax	1,65	13,84	13,84	01		PIS

OK
Cancel

13.8.1 CITATION INFORMATION IN CUSTOMER ORDER LEVEL

In the Avalara response message, there is a placeholder called “Citation” which is information related to possible tax benefits applicable for the tax scenario, for example that the company might be subject to ICMS reduction benefits. The Citation information usually refers to the conditions in an article or paragraph to be observed in more details for possible application of said tax benefit.

```

"citation": "Subject to ICMS_Reduction Benefits: \\ICMS/SP_Decreto nº 45.490/2000, Anexo II, Artigo 66\\", "description": "Para aplicação do citado benefício fiscal pelo Artigo 51 e Anexo II, Artigo 66, RICMS/SP.", "isCustomCitation": false}, "goods": {"subjectToIPIonInbound": false, "entityIcmsStSubstitute": "no"}, "lineNetFigure": [{"jurisdictionName": "Brazil", "jurisdictionType": "Country", "taxImpact": {"impactOnFinalPrice": "Included", "impactOnNetAmount": "Included", "accounting": "Liability"}},
  
```

```

"establishment": {},
"Lines": [
  {
    "LineCode": 1
    "itemCode": "SARK01"
    "numberOfItems": 10
    "lineUnitPrice": 83.862
    "lineAmount": 838.62
    "lineTaxedDiscount": 0
    "useType": "production"
    "operationType": "standardSales"
    "orderNumber": "P11278-3"
    "taxType": "cofins"
    "citation": "PIS/COFINS Lei nº 10.833/2003, Artigo 2º"
    "citationId": "b476dea8-2442-4430-8854-3a794891bdef"
    "subtotalTaxable": 838.62
    "rate": 7.6
    "tax": 63.74
    "exemptionCode": ""
    "traceCode": "C006"
    "cst": "01"
    "calcMode": "rate"
    "isCustomCitation": false
    {
      "jurisdictionName": "Acre"
      "jurisdictionType": "State"
      "taxImpact": {
        "impactOnFinalPrice": "Included"
        "impactOnNetAmount": "Included", "accounting": "Liability"
      }
    }
    "taxType": "icms"
    "citation": "ICMS/AC Decreto nº 8/1998, Artigo 17, Parágrafo 2º"
    "subtotalTaxable": 838.62
    "rate": 4
    "tax": 33.54
    "exemptionCode": ""
    "traceCode": "C006"
    "source": "I"
    "cst": "00"
    "modBC": "3"
  }
]

```

The Avalara “Citation Information” is saved as a “Note” on the Customer Order header and on the Customer Order lines.

Customer Order P11619 1 of 2

Share
Operations
Invoice
RMA
Related Pages
Copy Order
Order History
Sales Promotions

Order No	Customer	Site	Order Type	Wanted Delivery Date/Time
P11619	SB SARKBRCUST - SARK BRAZIL CUSTOMER	SARKB	NO	2021-08-18 00:00

Order Amounts					
Total Net Amount/Base	Total Contribution Margin/Base	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
145,50 BRL	-4,50 BRL	-3,09	145,50 BRL	26,14 BRL	171,64 BRL

LINES	RENTAL LINES	ORDER DETAILS	CHARGES	INVOLVED PARTIES
Coordinator	Currency	Customer's PO No	Additional Discount ...	Priority
IA * - IFS Applications	BRL		0	
Reference	Agreement ID	Language Code	Final Consumer	
		en - English	No	
Salesperson	Add Rebate Customer	Main Representative		
Ordering Region	Ordering District	Market	Classification Stand...	
Limit Sales to Assort...	Order Net Weight	Order Volume	Document Text	
No	0	0	No	

Delivery Address

Delivery Address

📍 HEAD OFFICE - SARK BRAZIL CUSTOMER

Document Address

Document Address

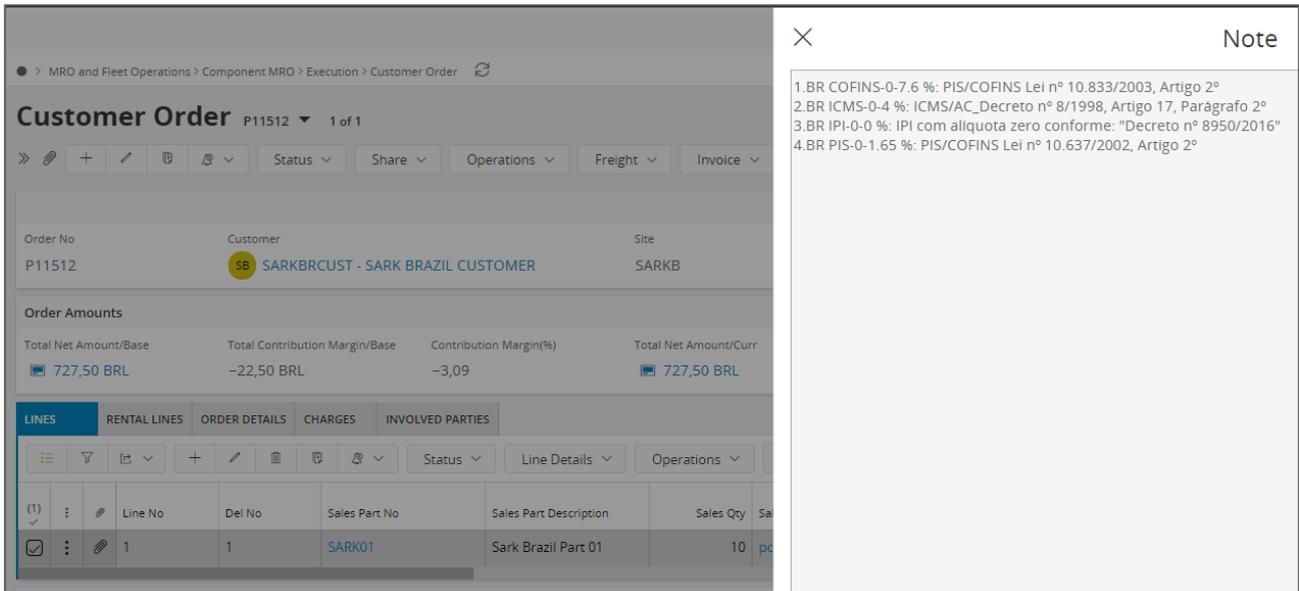
📍 HEAD OFFICE - SARK BRAZIL CUSTOMER

Invoice

Tax ID	Tax ID Validated Date	Tax Liability
		TAX
Invoice Customer	Addr ID	

Subject to ICMS_Reduction Benefits:
 "ICMS/SP Decreto nº 45.490/2000, Anexo II, Artigo 66" Para aplicação do citado benefício fiscal é necessário observar as condições determinadas pelo Artigo 51 e Anexo II, Artigo 66, RICMS/SP.

Subject to ICMS_Reduction Ben...



The screenshot displays the 'Customer Order' interface for order P11512. The order is associated with customer 'SARKBRUCST - SARK BRAZIL CUSTOMER' and site 'SARKB'. The order amounts are: Total Net Amount/Base 727,50 BRL, Total Contribution Margin/Base -22,50 BRL, Contribution Margin(%) -3,09, and Total Net Amount/Curr 727,50 BRL. The 'LINES' section shows one line item: Line No 1, Del No 1, Sales Part No SARK01, Sales Part Description Sark Brazil Part 01, Sales Qty 10. A 'Note' window is open on the right, listing four tax items:

1. BR COFINS-0-7.6 %: PIS/COFINS Lei nº 10.833/2003, Artigo 2º
2. BR ICMS-0-4 %: ICMS/AC_Decreto nº 8/1998, Artigo 17, Parágrafo 2º
3. BR IPI-0-0 %: IPI com allquota zero conforme: "Decreto nº 8950/2016"
4. BR PIS-0-1.65 %: PIS/COFINS Lei nº 10.637/2002, Artigo 2º

Refer the Appendix 2 for the Avalara Request File Mapping details.

13.9 Create Customer Invoice

In Customer Order Invoice level, a new tax Calculated/Fetched is initiated resulting in new tax request being sent to Avalara under the following circumstances below:

- Invoice is created
- Invoice Qty is updated
- Invoice Price is updated
- Goods/Services Statistical Code is updated.
- Acquisition Origin updated

Please note that for Brazilian country specifics, a new tax request is not initiated at the point when the invoice is printed/posted (as compared to IFS core). This is because of the no changes are allowed after Brazilian tax authority approved the electronic Nota Fiscal.

The Customer Invoice Line/Tax Lines dialog will be updated with the data received from Avalara.

Refer the Appendix 2 to see the Avalara Request File Mapping details.

```

"establishment": {
  "name": "SH-BR-CUST",
  "federalTaxId": "13339532000209",
  "stateTaxId": "65369841653653",
  "suframa": "945214876",
  "taxRegime": "realProfit",
  "taxesSettings": {
    "icmsTaxPayer": false,
    "enableCprb": false,
    "usesInssCprbToGrossValue": false,
    "pisCofinsIcmsTaxRelief": false
  },
  "address": {
    "street": "Customer address 1",
    "zipcode": "06460-000",
    "cityCode": "3505708",
    "cityName": "Barueri",
    "state": "SP",
    "countryCode": "76",
    "country": "BRA"
  },
  "activitySector": {
    "type": "cnae",
    "code": "7452345"
  }
},
"invoicesRefs": [
  {
    "documentCode": "SH-BRAZIL202602-1",
    "found": false
  }
],
"eDocCreatorPerspective": true,
"accountId": "24196f38-odb3-49f0-8d6e-337e555d5779",
"subscriptionId": "0aa49b97-6be1-46b4-b271-f4efaa221f60",
"goods": {
  "class": "VENDA DE PRODUÇÃO DO ESTABELECIMENTO",
  "trImp": "1"
},
"additionalInfo": {
  "complementaryInfo": "IPI com aliquota zero conforme: \nDecreto nº 8950/2016\n\nPIS/COFINS Lei nº 10.637/2002, Artigo 2º\nPIS/COFINS Lei nº 10.833/2003, Artigo 2º\nICMS/SP Decreto nº 45.490/2000, Artigo 52, Inciso I"
}

```

13.9.1 COMPLEMENTARY INFORMATION IN CO INVOICE

Complementary information (with reference to a specific law or regulation or to explain and prove that the taxes applied, and their rates, fulfill the Brazilian regulations) is sent in **"additionalInfo" / "ComplementaryInfo"** of the Avalara response JSON and saved as Invoice Text on header level of the Customer Invoice in "Preliminary" state.

Customer Invoice BRCUST1 - Brazilian Customer 1 - 202978 - CUSTORDDEB - P10608 2 of 3 Preliminary

Cancel Preliminary Invoice
Posting
Installation Plan and Discounts
Notes
Send Electronic Fiscal Note

Customer No	Customer Address Name	Series ID	Invoice No	Company	Site	Invoice Created	Order Created
BC BRCUST1	Brazilian Customer 1	PR	202978	EABR1	BRSA	2021-06-16	2021-05-14

Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	15200,00	15200,00	0,00	1	1

LINES GENERAL NF-E INFORMATION HISTORY

<p>Invoice Type: CUSTORDDEB - Customer Order Invoice, Debit</p> <p>Invoice Date: 2021-06-16</p> <p>Our Reference: ALAIN PRESTON</p> <p>Branch: A</p>	<p>Invoice Address: 1</p> <p>Preliminary Invoice No: 202978</p> <p>Customer Reference Name</p> <p>Jinsui Status: Non jinsui</p>
------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------

Price Adjustment: No	Advance/Prepayment Invoice: No	Use Price Incl Tax: No
Notes: No	Correction Exist: No	Correction Invoice: No
Correction Reason ID	Correction Reason	

Payment: Delivery
References: Invoice Text
Invoice Text ID: IPI com aliquota zero conforme: \nDecreto nº 8950/2016\...

13.9.2 HANDLE OUTGOING NOTA FISCALS

Please read chapter “Outgoing Nota Fiscals” for description.

13.9.3 CREATE POSTINGS

Please read chapter “Gross Revenue Accounting” and Appendix 2 for description.

13.10 Create Invoicing Plan/Project Transaction

Enter an Invoicing Plan/Project Transaction using standard functionality.

13.11 Create Project Invoice

Create a preliminary Project Invoice. In Project Invoices new tax calculation requests are initiated under the following circumstances:

- Invoice is created
- New Project Transaction is added/removed using Add to Invoice/Remove from Invoice function
- Invoice Qty is updated
- Invoice Price is updated
- Invoice Address is updated
- Delivery Address is updated
- Goods/Services Statistical Code is updated
- Branch is updated

Please note that for Brazilian country specifics, a new tax request is not initiated at the point when the invoice is printed/posted (as compared to IFS core). This is because no changes are allowed to the Project Invoice after the Outgoing Nota Fiscal is approved.

Application Messages 1829455 2 of 2

[View all Messages for this Queue and Status](#)
[Move To Queue](#)
[Message Queue Settings](#)
[Duplicate And Release](#)

Application Message ID	Subject	Type
1829455	Message has been successfully executed	CONNECT
Function	Receiver	State
AVALARA_BR_INTEGRATION_SERVICE	CONNECT	Finished
State Date	Options	Error Text
2/12/24, 12:24 PM		
Initiated By	Initiated	Execute As
JACKIE	2/12/24, 12:24 PM	Initiator
Queue	Inbound	Routing Rule Used
DEFAULT	<input checked="" type="checkbox"/> No	Example_Avalara_Brazil_Integration_Service

Input Message Data

Name
 : MESSAGE_REQUESTS.js...

Output Message Data

Name
 : MESSAGE_RESPONSE.txt

Chain Link No	Address Data	Transport Connector	State	Error Text	Envelope
<input type="checkbox"/> : 1	https://avataxbr.sandbox.avalara.com.br/v3/(REST_ENDPOINT)	REST	Transferred		

```

1 {} MESSAGE_REQUEST (13).json
2 {
3   "header": {
4     "messageType": "services",
5     "eDocCreatorType": "self",
6     "eDocCreatorPerspective": true,
7     "operationType": "standardSales",
8     "transactionDate": "2024-02-13T00:00:00Z",
9     "amountCalcType": "gross",
10    "companyLocation": "04106230000198",
11    "documentCode": "BR01",
12    "locations": {
13      "entity": {
14        "taxRegime": "realProfit",
15        "type": "business",
16        "taxesSettings": {
17          "issRfRateForSimplesTaxRegime": 0,
18          "pCredSN": 0,
19          "subjectToPayrollTaxRelief": true,
20          "subjectToWithholdingPis": true,
21          "subjectToWithholdingCofins": true,
22          "subjectToWithholdingCsll": true,
23          "cofinsSubjectTo": "T",
24          "pisSubjectTo": "T",
25          "csllSubjectTo": "T"
26        },
27        "address": {
28          "neighborhood": "Bela Vista",
29          "zipcode": "06083215",
30          "cityName": "Osasco",
31          "country": "BRA"
32        },
33        "activitySector": {
34          "type": "cnae",
35          "code": "4649408"
36        }
37      },
38      "establishment": {
39        "taxRegime": "realProfit",
40        "type": "business",
41        "taxesSettings": {
42          "issRfRateForSimplesTaxRegime": 0,
43          "pCredSN": 0,
44          "subjectToPayrollTaxRelief": true,
45          "subjectToWithholdingPis": true,
46          "subjectToWithholdingCofins": true,
47          "subjectToWithholdingCsll": true,
48          "cofinsSubjectTo": "T",
49          "pisSubjectTo": "T",
50          "csllSubjectTo": "T"
51        },
52        "address": {
53          "zipcode": "06453000",
54          "cityName": "Barueri",
55          "country": "BRA"
56        },
57        "activitySector": {
58          "type": "cnae",
59          "code": "5212500"
60        }
61      },
62      "rendered": {
63        "address": {
64          "neighborhood": "Bela Vista",
65          "zipcode": "06083215",
66          "cityName": "Osasco",
67          "country": "BRA"
68        }
69      }
70    },
71    "payment": {
72      "installmentTerms": 0,
73      "bill": {
74        "vOrig": 2500,
75        "vDiscount": 0,
76        "vNet": 2500
77      },
78      "installment": []
79    }
80  }
81 }

```

```

1 {} MESSAGE_RESPONSE (1).json
2 {
3   "header": {
4     "messageType": "services",
5     "eDocCreatorType": "self",
6     "eDocCreatorPerspective": true,
7     "operationType": "standardSales",
8     "transactionDate": "2024-02-13T00:00:00Z",
9     "amountCalcType": "gross",
10    "companyLocation": "04106230000198",
11    "documentCode": "BR01",
12    "locations": {
13      "entity": {
14        "taxRegime": "realProfit",
15        "type": "business",
16        "taxesSettings": {
17          "issRfRateForSimplesTaxRegime": 0,
18          "pCredSN": 0,
19          "subjectToPayrollTaxRelief": true,
20          "subjectToWithholdingPis": true,
21          "subjectToWithholdingCofins": true,
22          "subjectToWithholdingCsll": true,
23          "cofinsSubjectTo": "T",
24          "pisSubjectTo": "T",
25          "csllSubjectTo": "T",
26          "subjectToSRF1234": false
27        },
28        "address": {
29          "neighborhood": "Bela Vista",
30          "zipcode": "06083215",
31          "cityName": "Osasco",
32          "country": "BRA",
33          "cityCode": "3534401",
34          "countryCode": "0",
35          "state": "SP"
36        },
37        "activitySector": {
38          "type": "cnae",
39          "code": "4649408"
40        },
41        "federalTaxId": ""
42      },
43      "establishment": {
44        "taxRegime": "realProfit",
45        "type": "business",
46        "taxesSettings": {
47          "issRfRateForSimplesTaxRegime": 0,
48          "pCredSN": 0,
49          "subjectToPayrollTaxRelief": true,
50          "subjectToWithholdingPis": true,
51          "subjectToWithholdingCofins": true,
52          "subjectToWithholdingCsll": true,
53          "cofinsSubjectTo": "T",
54          "pisSubjectTo": "T",
55          "csllSubjectTo": "T"
56        },
57        "address": {
58          "zipcode": "06453000",
59          "cityName": "Barueri",
60          "country": "BRA",
61          "cityCode": "3505708",
62          "countryCode": "0",
63          "state": "SP"
64        },
65        "activitySector": {
66          "type": "cnae",
67          "code": "5212500"
68        }
69      },
70      "rendered": {
71        "address": {
72          "neighborhood": "Bela Vista",
73          "zipcode": "06083215",
74          "cityName": "Osasco",
75          "country": "BRA",
76          "cityCode": "3534401",
77          "countryCode": "0",
78          "state": "SP"
79        }
80      }
81    }
82  }
83 }

```

The Project Invoice Tax Lines dialog will be updated with the data received from Avalara, including Tax Base Amount, IFS Tax Code (fetched based on the tax codes mapping set-up), Tax %, Tax Amount, CST Code, Legal Tax Class (for IPI taxes) and Tax Type Category.

Project Invoice Tax Lines													
Gross Amount		Net Amount		Tax Amount									
1162.15		1100.00		62.15									
Tax Line Details													
Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Transferred	CST Code	Legal Tax Class	Tax Type Category	Tax Category 1	Tax Category 2	
1100.00	BR-COFINS	Tax	3	33.00	33.00	6.60	No	01		COFINS			
1100.00	BR-CSLL	Tax	0	0.00	0.00	0.00	No	01		CSLL			
1100.00	IRPJ-N	Tax	0	0.00	0.00	0.00	No			IRPJ			
1100.00	BR-ISS	Tax	2	22.00	22.00	4.40	No	01		ISS			
1100.00	BR-PIS	Tax	0.65	7.15	7.15	1.43	No	01		PIS			

13.11.1 CITATION INFORMATION IN PROJECT INVOICE LEVEL

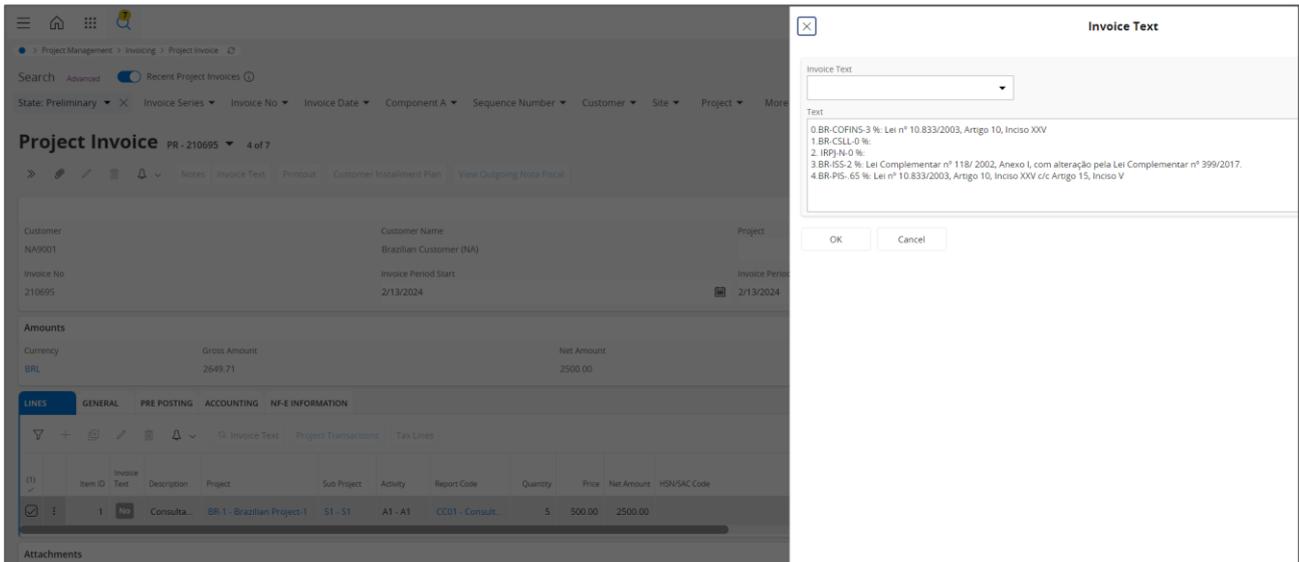
In the Avalara response message, there is a placeholder called “Citation” which includes information related to possible tax benefits applicable to the tax scenario, for example that the company might be subject to ICMS reduction benefits. The Citation information usually refers to the conditions in an article or paragraph to be observed in more details for possible application of said tax benefit.

```

170 {
171   "jurisdictionName": "BRASIL",
172   "jurisdictionType": "Country",
173   "taxImpact": {
174     "impactOnFinalPrice": "Included",
175     "impactOnNetAmount": "Included",
176     "accounting": "liability"
177   },
178   "taxType": "cofins",
179   "citation": "Lei nº 10.833/2003, Artigo 10, Inciso XXV",
180   "citationId": "007f430-az00-11e0-0e10-3380425f4aaa",
181   "subtotalTaxable": 2500,
182   "rate": 3,
183   "tax": 75,
184   "exemptionCode": "",
185   "cst": "01",
186   "isCustomCitation": false
187 },
188 {
189   "jurisdictionName": "BRASIL",
190   "jurisdictionType": "Country",
191   "taxImpact": {
192     "impactOnFinalPrice": "Included",
193     "impactOnNetAmount": "Subtracted",
194     "accounting": "asset"
195   },
196   "taxType": "cofinsRf",
197   "citation": "Lei nº 10.833/2003, Artigos 30 e 31, Instrução Normativa nº 459/2004, Artigo 2º c/c Artigo 1º, Parágrafo 2º, Inciso IV; Solução de Consulta nº 445/2010_Disit08",
198   "citationId": "a7105c0-az00-11e0-0e10-3380425f4aaa",
199   "subtotalTaxable": 2500,
200   "rate": 3,
201   "tax": 75,
202   "exemptionCode": "",
203   "cst": "01",
204   "collectionCode": "9952",
205   "isCustomCitation": false
206 },
207 {
208   "jurisdictionName": "BRASIL",
209   "jurisdictionType": "Country",
210   "taxImpact": {
211     "impactOnFinalPrice": "Included",
212     "impactOnNetAmount": "Included",
213     "accounting": "liability"
214   },
215   "taxType": "csll",
216   "subtotalTaxable": 2500,
217   "rate": 0,
218   "tax": 0,
219   "exemptionCode": "",
220   "traceCode": "001",
221   "cst": "01"
222 },

```

The Avalara “Citation Information” is saved as a “Note” on the Project Invoice lines.



The screenshot displays the IFS Project Invoice interface. A modal window titled "Invoice Text" is open, showing a list of tax items:

- 0 BR-COFINS-3 %: Lei nº 10.833/2003, Artigo 10, Inciso XXV
- 1 BR-ICLL-0 %:
- 2 IRPJ-N-0 %:
- 3 BR-ISS-2 %: Lei Complementar nº 118/ 2002, Anexo I, com alteração pela Lei Complementar nº 399/2017.
- 4 BR-PIS- 65 %: Lei nº 10.833/2003, Artigo 10, Inciso XXV c/c Artigo 15, Inciso V

The background interface shows the Project Invoice details for PR - 210695, including customer information (NA9001), invoice number (210695), and a table of invoice lines. The first line is a consultation for 5 units at a price of 500.00 and a net amount of 2500.00.

Refer the Appendix 2 for the Avalara Request File Mapping details.

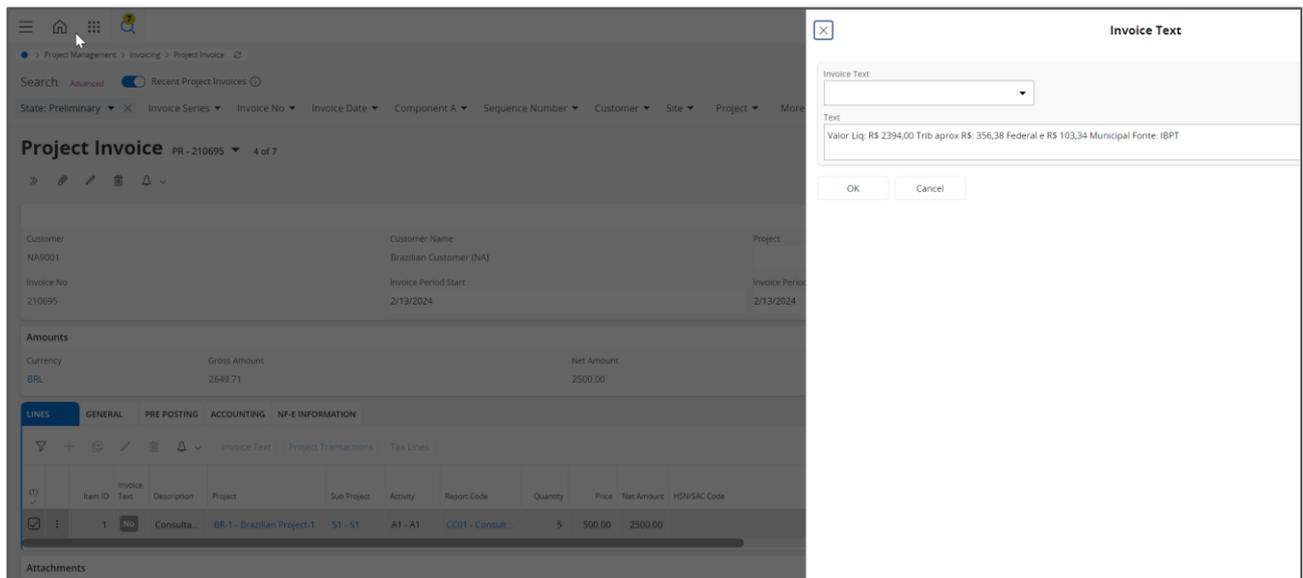
13.11.2 COMPLEMENTARY INFORMATION IN PROJECT INVOICE

Complementary information (with reference to a specific law or regulation or to explain and prove that the taxes applied, and their rates, fulfill the Brazilian regulations) is received in **additionalInfo** / **"ComplementaryInfo"** of the Avalara response JSON and saved as Invoice Text on header level of the Project Invoice in “Preliminary” state.

```

73     "cityName": "Osasco",
74     "country": "BRA",
75     "cityCode": "3534401",
76     "countryCode": "0",
77     "state": "sp"
78   },
79   "FederalTaxId": ""
80 },
81 "payment": {
82   "installmentTerms": 0,
83   "bill": {
84     "vOrig": 2500,
85     "vDiscount": 0,
86     "vNet": 2500
87   },
88   "installment": [
89     {
90       "documentNumber": "1",
91       "date": "2024-02-13T00:00:00Z",
92       "grossValue": 2500,
93       "withholdingPIS": 16.25,
94       "withholdingCOFINS": 75,
95       "withholdingCSLL": 25,
96       "withholdingMode": "PCC",
97       "netValue": 2258.75
98     }
99   ],
100   "withholdingMode": "PCC"
101 },
102 "rpsSerie": "0",
103 "services": {
104   "class": "PRESTACAO DE SERVICO TRIBUTADO ISSQN"
105 },
106 "accountId": "39085bc1-4ed1-437f-b6d5-f7ee24b1daea",
107 "additionalInfo": {
108   "complementaryInfo": "Valor Liq: R$ 2258,75 Trib aprox R$: 336,25 Federal e R$ 97,50 Municipal Fonte: IBPT"
109 },
110 "ediSyncState": "STORED"
111 },
112 "lines": [
113   {
114     "lineCode": 1,
115     "numberOfItems": 5,
116     "lineAmount": 2500,
117     "lineUnitPrice": 500,
118     "itemDescriptor": {
119       "hsCode": "1.01",
120       "serviceCode": "620400001",
121       "serviceCodeOrigin": "01.06.02.2.1-7",
122       "withLaborAssignment": true,
123       "cnae": "0",

```



The screenshot shows the IFS Project Invoice interface. The main window displays invoice details for 'Project Invoice PR - 210695'. A dialog box titled 'Invoice Text' is open, showing the text: 'Valor Liq: R\$ 2394,00 Trib aprox R\$: 356,38 Federal e R\$ 103,34 Municipal Fonte: IBPT'. The dialog has 'OK' and 'Cancel' buttons.

Customer	Customer Name	Project
NA9001	Brazilian Customer (NA)	

Invoice No	Invoice Period Start	Invoice Period End
210695	2/13/2024	2/13/2024

Amounts	Gross Amount	Net Amount
Currency: BRL	2649.71	2500.00

Item ID	Text	Description	Project	Sub Project	Activity	Report Code	Quantity	Price	Net Amount	H2N/SAC Code
1	Consulta	BR-1 - Brazilian Project-1	S1 - S1	A1 - A1	CC01 - Consult.		5	500.00	2500.00	

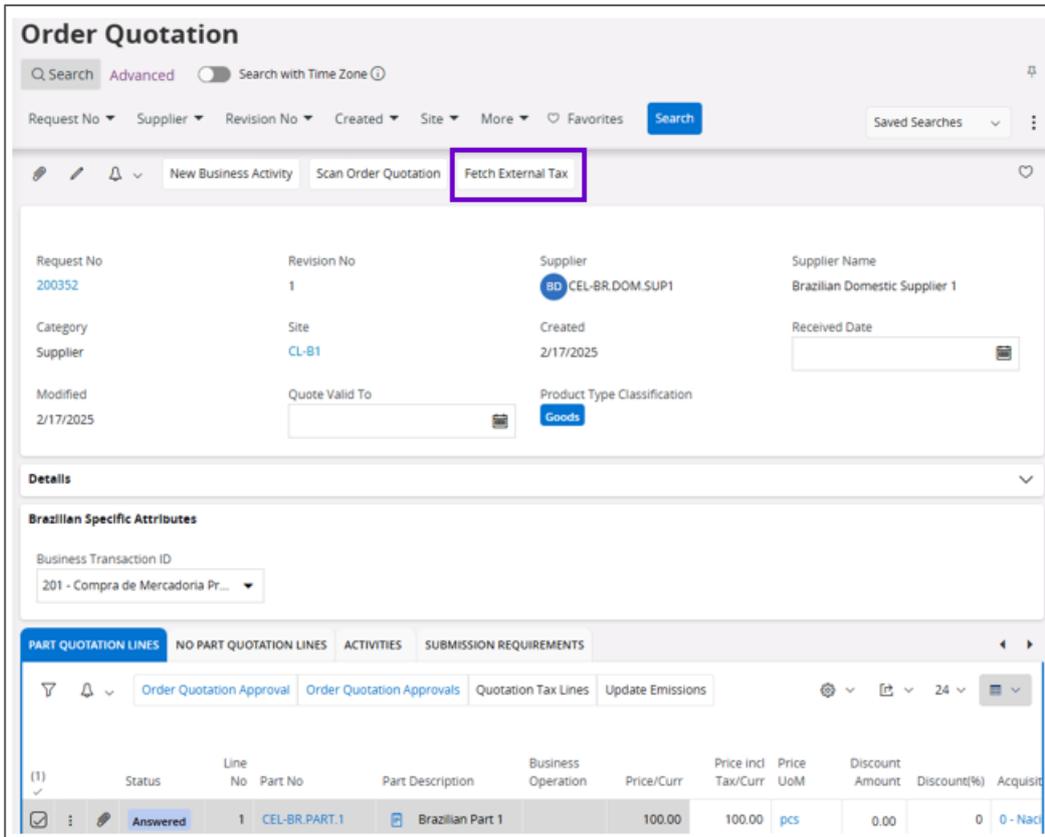
13.12 Order Quotation

For Order Quotation new taxes are initiated, resulting in new tax requests being sent to Avalara, under the following circumstances (depending on Company setup and order status):

- New order quotation line is added
- Quotation Qty is updated
- Quotation Price is updated
- If Company default Document Address is updated also manual command to fetch tax is needed
- Supplier Document Address is updated on Order Quotation
- Goods/Services Statistical Code is updated.
- Acquisition Origin updated
- Acquisition Reason is updated
- Manual command in Order Quotation to **Fetch External Taxes**.

In the **Order Quotation** header there is a new command available to Fetch External Taxes from Avalara. When at least one quotation line has status Answered, this command is used to manually trigger a tax calculation from Avalara.

To restrict the number of requests sent to Avalara, there will not be any requests sent to Avalara before a quotation has been manually executed by selecting the *Fetch External Tax* command. But after manually selecting the command, any change of the data will automatically generate a request to update taxes from Avalara.



When using the new manual command **Fetch External Taxes** in the OQ header, a request will be sent to Avalara. This command will be enabled even if there are lines which are not supposed to be sent. When a request is sent to Avalara then the taxes will be fetched/updated for all the part lines in the OQ. Exception to this is for OQ lines which are not supposed to get Avalara taxes:

- when having status Cancelled
- when Tax Liability is EXEMPT
- when Not Taxable.

No part lines, rental lines, master parts with non-line connected charges are not supported for the procurement flow. Furthermore, the flows Purchase Requisition and Purchase Order Change Order not supported.

This means that those lines are not sent in the request to Avalara.

NOTE that for automatically created lines there will be no support for automatically getting the taxes from Avalara. The user needs to fetch the taxes for these lines by using the manual command in the Order Quotation header to fetch taxes.

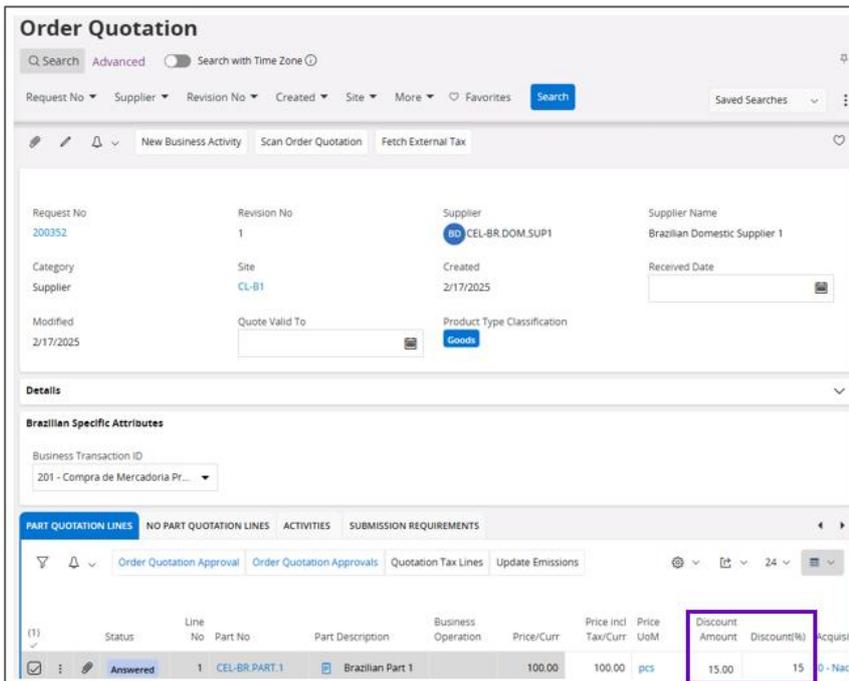
This is also needed if the Company default Document Address is changed as this will not generate any automatic fetch of taxes.

When adding new parts or changing information via a Purchase Order Change Order, this manual fetch will also be needed to get Avalara taxes updated.

When Order Quotation Lines are added, default values will be added for Goods/Services Statistical Code, Acquisition Reason and Acquisition Origin. If no default values are added, these need to be manually entered.

There is also a new column to show the **Discount Amount**, calculated as the discount percentage of the Price incl Tax/Base amount, multiplied by the line quantity.

When all information needed for the request to be sent is present, a request to Avalara can be processed correctly. If something is missing, you will receive an error and details about the error can be seen in the response message details.

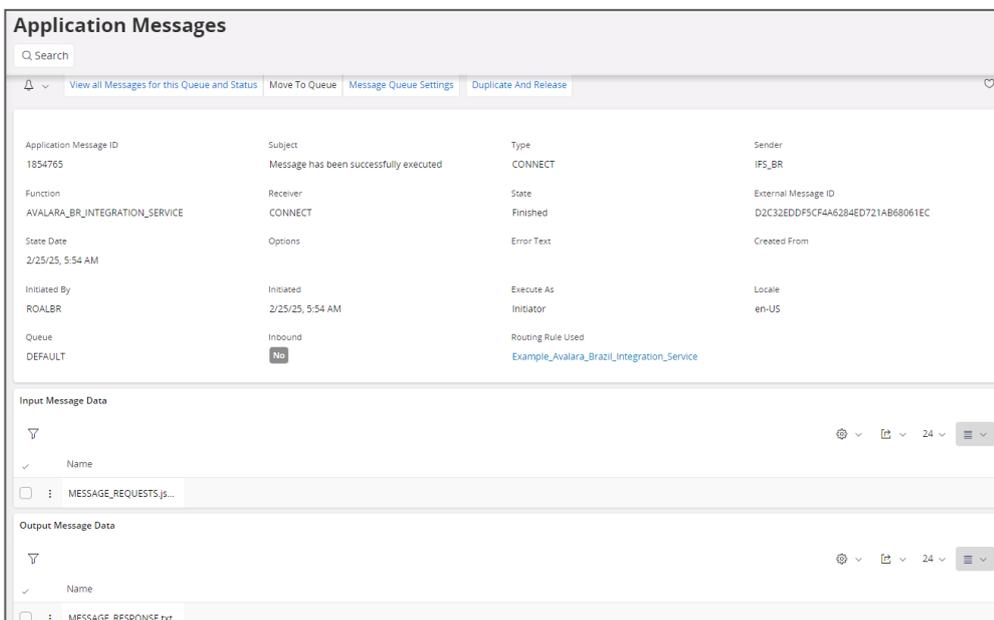


Order Quotation

Request No: 200352, Revision No: 1, Supplier: CEL-BR.DOM.SUP1, Supplier Name: Brazilian Domestic Supplier 1, Site: CL-B1, Created: 2/17/2025, Product Type Classification: Goods.

Status	Line No	Part No	Part Description	Business Operation	Price/Curr	Price incl Tax/Curr	Price UoM	Discount Amount	Discount(%)	Acquisition Reason
Answered	1	CEL-BR.PART.1	Brazilian Part 1		100.00	100.00	pcs	15.00	15	P-Nac

The request and response message details can be checked in the page for Application messages. View details and download the message in order to check the values sent/received.



Application Messages

Application Message ID: 1854765, Subject: Message has been successfully executed, Type: CONNECT, Sender: IFS_BR.

Function: AVALARA_BR_INTEGRATION_SERVICE, Receiver: CONNECT, State: Finished, External Message ID: D2C32EDDF5CF446284ED721AB68061EC.

State Date: 2/25/25, 5:54 AM, Options: Error-Text, Created From: en-US.

Initiated By: ROALBR, Initiated: 2/25/25, 5:54 AM, Execute As: Initiator, Locale: en-US.

Queue: DEFAULT, Inbound: No, Routing Rule Used: Example_Avalara_Brazil_Integration_Service.

Input Message Data: MESSAGE_REQUESTS.js...

Output Message Data: MESSAGE_RESPONSE.txt

Message Request.json

Message Response.json

```

▼ header :{
  messageType : services
  eDocCreatorType : self
  operationType : standardPurchase
  transactionDate : 2025-02-25T00:00:00Z
  amountCalcType : gross
  companyLocation : 04106230000190
  documentCode : 200351
  ▼ locations :{
    ▼ entity :{
      type : business
      ▼ taxesSettings :{
        subjectToPayrollTaxRelief :  false
        subjectToWithholdingPis :  true
        subjectToWithholdingCofins :  true
        subjectToWithholdingCsll :  true
        cofinsSubjectTo : T
        pisSubjectTo : T
        csllSubjectTo : T
      }
      ▼ address :{
        zipcode : 06083215
        cityName : Osasco
        country : BRA
      }
      ▼ activitySector :{
        type : cnae
        code : 1121600
      }
    }
  }
  ▼ establishment :{
    type : business
    ▼ taxesSettings :{
      subjectToPayrollTaxRelief :  false
      subjectToWithholdingPis :  true
      subjectToWithholdingCofins :  true
      subjectToWithholdingCsll :  true
      cofinsSubjectTo : T
      pisSubjectTo : T
      csllSubjectTo : T
    }
    ▼ address :{
      zipcode : 06453000
      cityName : Barueri
      country : BRA
    }
    ▼ activitySector :{
      type : cnae
      code : 5212500
    }
  }
  ▼ rendered :{
    ▼ address :{
      zipcode : 06453000
    }
  }
}

```

```

▼ header :{
  messageType : services
  eDocCreatorType : self
  operationType : standardPurchase
  transactionDate : 2025-02-25T00:00:00Z
  amountCalcType : gross
  companyLocation : 04106230000190
  documentCode : 200351
  ▼ locations :{
    ▼ entity :{
      type : business
      ▼ taxesSettings :{
        subjectToPayrollTaxRelief :  false
        subjectToWithholdingPis :  true
        subjectToWithholdingCofins :  true
        subjectToWithholdingCsll :  true
        cofinsSubjectTo : T
        pisSubjectTo : T
        csllSubjectTo : T
        subjectToSRF1234 :  false
      }
      ▼ address :{
        zipcode : 06083215
        cityName : Osasco
        country : BRA
        cityCode : 3534401
        countryCode : 0
        state : SP
      }
      ▼ activitySector :{
        type : cnae
        code : 1121600
        federalTaxId : 
        taxRegime : individual
      }
    }
  }
  ▼ establishment :{
    type : business
    ▼ taxesSettings :{
      subjectToPayrollTaxRelief :  false
      subjectToWithholdingPis :  true
      subjectToWithholdingCofins :  true
      subjectToWithholdingCsll :  true
      cofinsSubjectTo : T
      pisSubjectTo : T
      csllSubjectTo : T
      pisPopag :  false
      receiptsAreFullNoCumulativePisCofins :  false
      issRfRateForSimpleTaxRegime : 0
      enableCprb :  false
      usesInssCprbToGrossValue :  false
      notWithholdIRForPublicAgency :  true
      roundingServiceByItem : 4
    }
  }
}

```

When response message from Avalara has been received the tax lines will be updated in the dialog for Purchase Quotation Tax Lines.

The data received from Avalara will include Tax Base Amount, IFS Tax Code (fetched based on the tax codes mapping set-up), Tax %, Tax Amount in Curr and Base, CST Code, Legal Tax Class (for IPI taxes), Tax Type Category and Impact on Net Amount.

Purchase Quotation Tax Lines																																																																
Gross Amount/Curr		Net Amount/Curr		Tax Amount/Curr		Non-deductible Tax Amount/Curr																																																										
85.00		69.70		15.30		0.00																																																										
Total Tax Amount/Curr																																																																
15.30																																																																
<table border="1"> <thead> <tr> <th>Tax Base Amount</th> <th>Tax Code</th> <th>Tax Type</th> <th>Tax(%)</th> <th>Deductible(%)</th> <th>Tax Amount/Curr</th> <th>Tax Amount/Base</th> <th>Non-deductible Tax/Curr</th> <th>Total Tax Amount</th> <th>Impact On Net Amount</th> <th>CST Code</th> <th>Legal Tax Class</th> <th>Tax Type Category</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.00</td> <td>BR-COFINS</td> <td>Tax</td> <td>0</td> <td>100</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>Tax Inclusive</td> <td>70</td> <td>COFINS</td> </tr> <tr> <td>1</td> <td>85.00</td> <td>BR-ICMS</td> <td>Tax</td> <td>18</td> <td>100</td> <td>15.30</td> <td>15.30</td> <td>0.00</td> <td>15.30</td> <td>Tax Inclusive</td> <td>00</td> <td>ICMS</td> </tr> <tr> <td>1</td> <td>0.00</td> <td>BR-PI</td> <td>Tax</td> <td>0</td> <td>100</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>Tax Inclusive</td> <td>70</td> <td>PI</td> </tr> </tbody> </table>													Tax Base Amount	Tax Code	Tax Type	Tax(%)	Deductible(%)	Tax Amount/Curr	Tax Amount/Base	Non-deductible Tax/Curr	Total Tax Amount	Impact On Net Amount	CST Code	Legal Tax Class	Tax Type Category	1	0.00	BR-COFINS	Tax	0	100	0.00	0.00	0.00	0.00	Tax Inclusive	70	COFINS	1	85.00	BR-ICMS	Tax	18	100	15.30	15.30	0.00	15.30	Tax Inclusive	00	ICMS	1	0.00	BR-PI	Tax	0	100	0.00	0.00	0.00	0.00	Tax Inclusive	70	PI
Tax Base Amount	Tax Code	Tax Type	Tax(%)	Deductible(%)	Tax Amount/Curr	Tax Amount/Base	Non-deductible Tax/Curr	Total Tax Amount	Impact On Net Amount	CST Code	Legal Tax Class	Tax Type Category																																																				
1	0.00	BR-COFINS	Tax	0	100	0.00	0.00	0.00	0.00	Tax Inclusive	70	COFINS																																																				
1	85.00	BR-ICMS	Tax	18	100	15.30	15.30	0.00	15.30	Tax Inclusive	00	ICMS																																																				
1	0.00	BR-PI	Tax	0	100	0.00	0.00	0.00	0.00	Tax Inclusive	70	PI																																																				

This dialog with these specific Avalara columns will only be shown for quotation lines when using Avalara integration, the standard tax dialog is shown for no parts and rental parts. Lines with **“Tax Inclusive”** value in Impact On Net amount column will be considered for the total tax calculation. The tax is included in the price of the product or service and is calculated based on the total amount, which already includes the tax itself. This results in a higher final price as the tax applies to the price with the tax added.

Lines with **“Tax Exclusive”** value in Impact On Net amount column will be added to the final price. The tax is calculated separately from the price of the product or service, without being part of the amount used to calculate the tax. The final price is the product price plus the tax amount.

Order Quotation part lines calculation will only consider the goods value when calculating the net amount and price for the part line. This calculation will be according to below example.

$$Part\ Line\ Tax = Part\ Gross * \left(\frac{Total\ Tax\ incl\ line\ connected\ charges}{Total\ Gross\ incl\ line\ connected\ charges} \right)$$

$$Part\ Line\ Net\ Amount = Part\ Gross - Part\ Line\ Tax$$

13.12.1 CITATION INFORMATION IN ORDER QUOTATION LEVEL

In the Avalara response message, there is a placeholder called “Citation” which is information related to possible tax benefits applicable for the tax scenario, for example that the company might be subject to ICMS reduction benefits. The Citation information usually refers to the conditions in an article or paragraph to be observed in more details for possible application of said tax benefit.

The Avalara “Citation Information” is saved in the new “Additional External Tax Information” field on the Order Quotation header and in the “Note” Field on the Order Quotation lines.

13.13 Create Purchase Order

For Purchase Order new taxes are initiated, resulting in new tax requests being sent to Avalara, under the following circumstances (depending on Company setup and order status):

- New purchase order line is added
- Purchase Qty is updated
- Purchase Price is updated

- If Company default Document Address is updated also manual command to fetch tax is needed
- Supplier Document Address is updated on Purchase Order
- Goods/Services Statistical Code is updated.
- Acquisition Origin updated
- Acquisition Reason Id is updated
- Line connected charges are added or updated.
- Order is Released
- Manual command in Purchase Order to **Fetch External Taxes**.

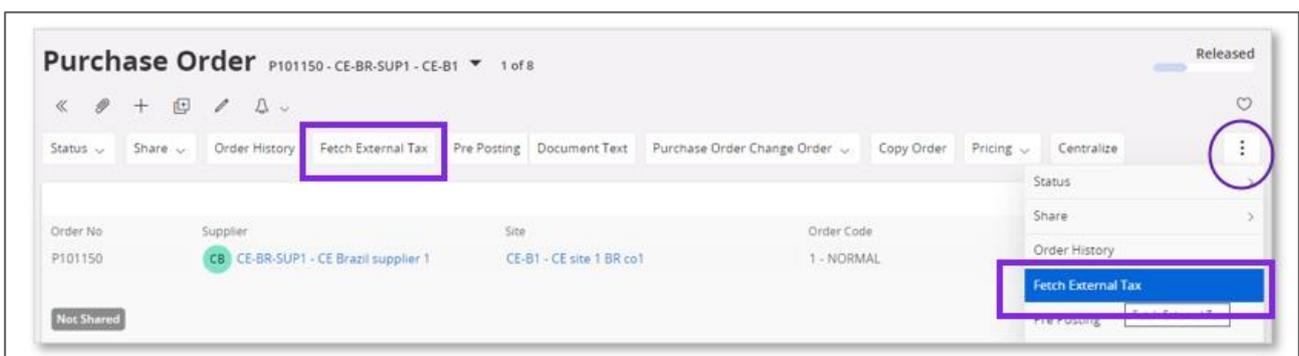
User can decide whether the taxes are Calculated/Fetched upon, “Release of Purchase Order” or “PO Line Entry Level”. This is controlled by the IFS Application core functionality, **Company/Tax Control/External Tax System** tab, “*Tax Integration Parameters for Procurement*”.

In order to be able to restrict number of requests sent to Avalara there will not be any requests sent to Avalara when modifying above data, before an order is released (when having setup as only to fetch taxes at Purchase Order release). But after release any change of the data will automatically generate a request to update taxes from Avalara. (Except for when adding a new line, as fetching for part line entry is disabled.)

If instead the toggle for fetching taxes at part line entry is enabled the changes will trigger a request to update taxes regardless of status.

Example: If user decides not to send tax requests upon releasing the order. Then the option Refresh Tax Information at Release of Purchase Order in **Company/Tax Control/External Tax System** tab (standard functionality) should be disabled. But please note that if using this setup you will need to manually fetch the taxes for automatically added PO lines, as explained more below.

In the Purchase Order header there is a new command available to Fetch External Taxes from Avalara that can be used whenever the user want to manually trigger a tax calculation from Avalara.



When using the new manual command in the PO header **Fetch External Taxes** a request will be sent to Avalara. This command will be enabled even if there are lines which are not supposed to be sent. When a request is sent to Avalara then the taxes will be fetched/updated for all the part lines in the PO. Exception to this is for PO lines which are not supposed to get Avalara taxes:

- when having status Cancelled

- when Tax Liability is EXEMPT
- when Not Taxable.

No part lines, rental lines, non-line connected charges are not supported for the procurement flow. Furthermore, are the flows Purchase Requisition and Purchase Order Change Order not supported.

This means that those lines are not sent in the request to Avalara.

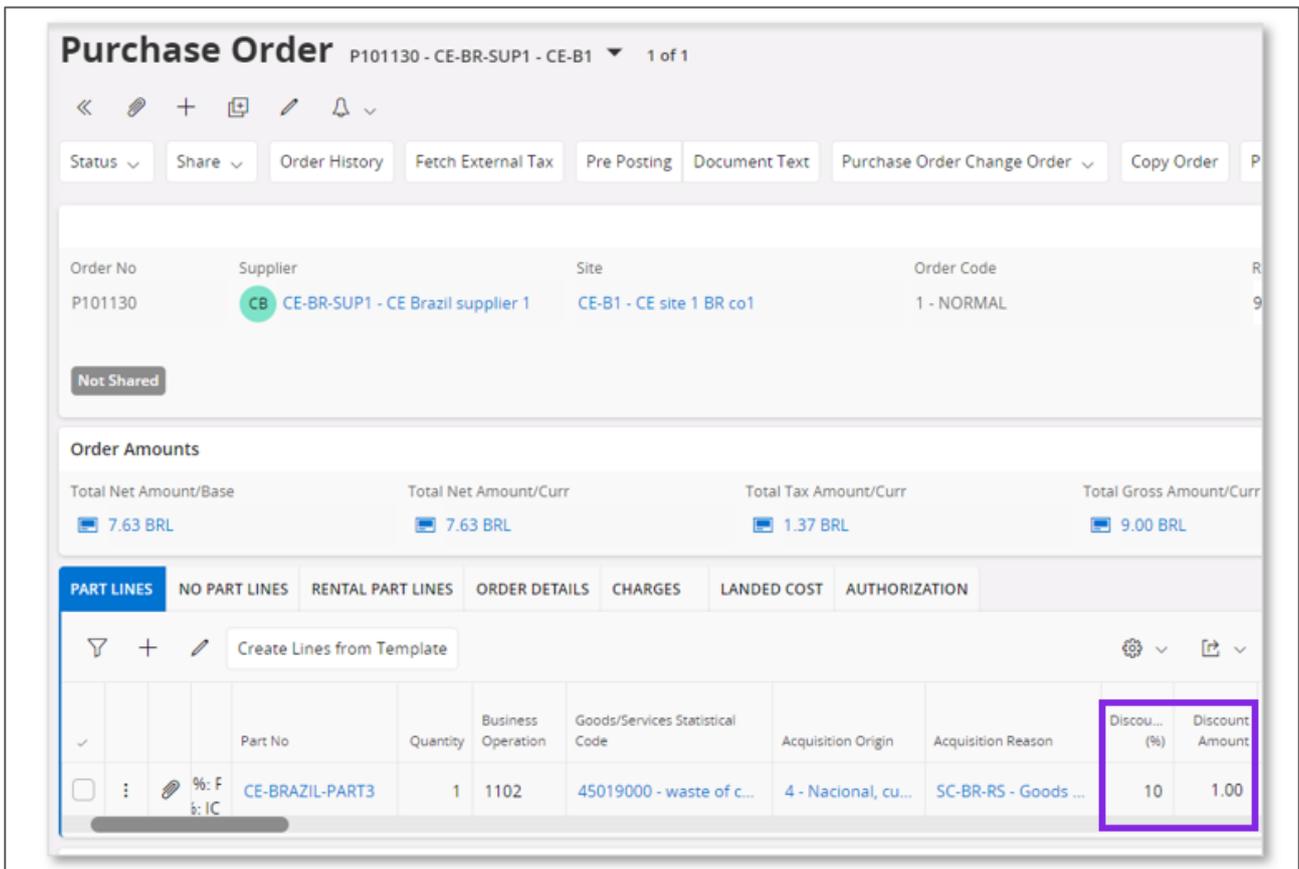
PLEASE NOTE that for automatically created lines there will be no support for automatically getting the taxes from Avalara. The user needs to fetch the taxes for these lines by using the manual command in the Purchase Order header to fetch taxes or use the setup to get them automatically when release of PO.

This is also needed if the Company default Document Address is changed as this will not generate any automatic fetch of taxes.

When adding new parts or changing information via a Purchase Order Change Order, this manual fetch will also be needed to get Avalara taxes updated.

When Purchase Order Lines are added, default values will be added for Goods/Services Statistical Code, Acquisition Reason and Acquisition Origin. If no default values are added, these need to be manually entered.

There is also a new column to show the **Discount Amount**, calculated as the discount percentage of the Price incl Tax/Base amount, multiplied by the line quantity.



Purchase Order P101130 - CE-BR-SUP1 - CE-B1 1 of 1

Order No: P101130
 Supplier: CE-BR-SUP1 - CE Brazil supplier 1
 Site: CE-B1 - CE site 1 BR co1
 Order Code: 1 - NORMAL

Order Amounts

Total Net Amount/Base	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
7.63 BRL	7.63 BRL	1.37 BRL	9.00 BRL

PART LINES

Part No	Quantity	Business Operation	Goods/Services Statistical Code	Acquisition Origin	Acquisition Reason	Discou... (%)	Discount Amount
CE-BRAZIL-PART3	1	1102	45019000 - waste of c...	4 - Nacional, cu...	SC-BR-RS - Goods ...	10	1.00

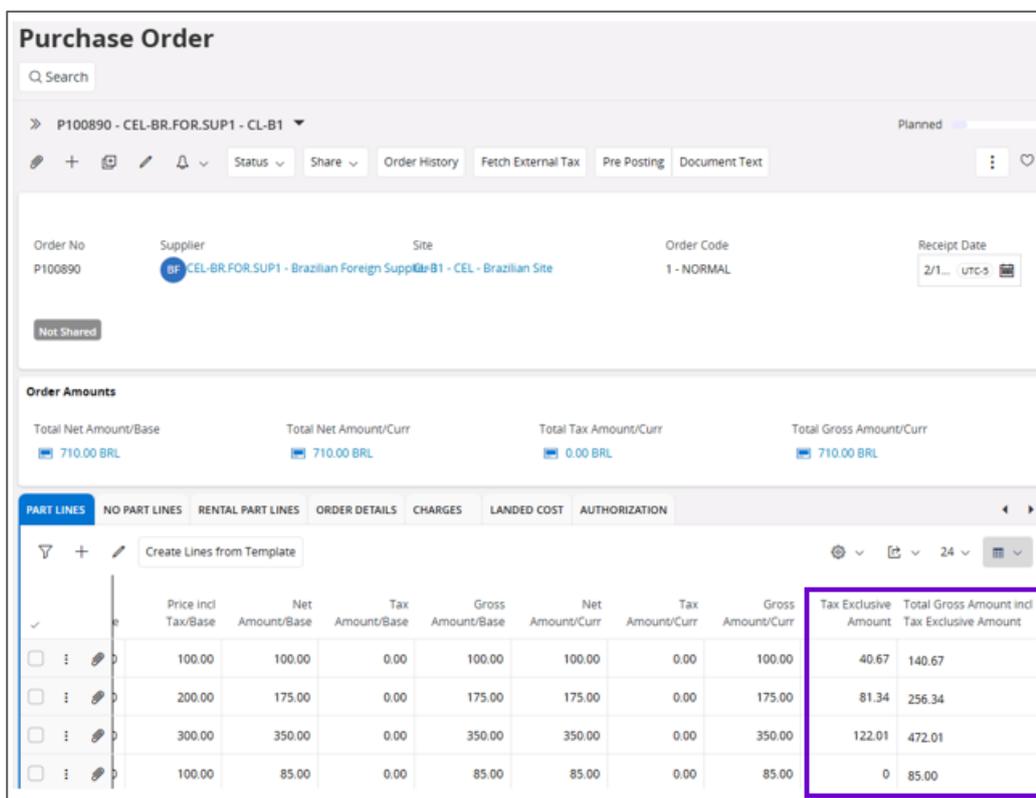
Columns **Tax Exclusive Amount** and **Total Gross Amount incl Tax Exclusive Amount** are also added to the PO part line.

Lines with the “*Tax Excluded*” value in Impact On Net amount column will be considered for **Tax Exclusive Amount**. The tax is calculated separately from the price of the product or service, without being part of the amount used to calculate the tax. The final price is the product price plus the tax amount.

$$\text{Tax Exclusive Amount} = \text{Total sum of Tax Amount/Base}$$

Total Gross Amount incl Tax Exclusive Amount, the total value of the transaction which combines the Tax Exclusive Amount and the taxes applied in accordance with Brazilian tax regulations (e.g., ICMS, IPI, ISS)

$$\text{Total Gross Amount incl Tax Exclusive Amount} = \text{Tax Exclusive Amount} + \text{Total Gross Amount/Base}$$



Purchase Order

Search

P100890 - CEL-BR.FOR.SUP1 - CL-B1 Planned

Order No: P100890 | Supplier: CEL-BR.FOR.SUP1 - Brazilian Foreign Supplier | Site: CEL - Brazilian Site | Order Code: 1 - NORMAL | Receipt Date: 2/1... utc-9

Order Amounts:

Total Net Amount/Base	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
710.00 BRL	710.00 BRL	0.00 BRL	710.00 BRL

Part Lines Table:

Price incl Tax/Base	Net Amount/Base	Tax Amount/Base	Gross Amount/Base	Net Amount/Curr	Tax Amount/Curr	Gross Amount/Curr	Tax Exclusive Amount	Total Gross Amount incl Tax Exclusive Amount
100.00	100.00	0.00	100.00	100.00	0.00	100.00	40.67	140.67
200.00	175.00	0.00	175.00	175.00	0.00	175.00	81.34	256.34
300.00	350.00	0.00	350.00	350.00	0.00	350.00	122.01	472.01
100.00	85.00	0.00	85.00	85.00	0.00	85.00	0	85.00

When all information needed for the request to be sent is present, a request to Avalara can be processed correctly. If something is missing, you will receive an error and details about the error can be seen in the response message details.

The request and response message details can be checked in the page for Application messages. View details and download the message in order to check the values sent/received.

Application Messages 2380026 1 of 1

[View all Messages for this Queue and Status](#)
[Move To Queue](#)
[Message Queue Settings](#)
[Duplicate And Release](#)

Application Message ID	Subject	Type	Sender
2380026	Message has been successfully executed	CONNECT	IFS_BR
Function	Receiver	State	External Message ID
AVALARA_BR_INTEGRATION_SERVICE	CONNECT	Finished	699A673384F14B7993C96321FFC23A53
State Date	Options	Error Text	Created From
9/7/23, 9:25 PM			
Initiated By	Initiated	Execute As	Locale
CEFRSE	9/7/23, 9:25 PM	Initiator	en-US
Queue	Inbound	Routing Rule Used	
DEFAULT	No	Example_Avalara_Brazil_Integration_Service	

Input Message Data

Name
 ⚙️ 📄 24

: MESSAGE_REQUESTS.json

Output Message Data

Name
 ⚙️ 📄 24

: MESSAGE_RESPONSE.txt

```

"header": {
  "eDocCreatorType": "self",
  "amountCalcType": "gross",
  "companyLocation": "77.214.253/0001-92",
  "documentCode": "P101169",
  "messageType": "goods",
  "locations": {
    "entity": {
      "name": "CE-BR-SUP1",
      "type": "stateGovernment",
      "taxesSettings": {
        "icmsTaxPayer": "true"
      }
    },
    "address": {
      "street": "Estrada Municipal Martins",
      "zipcode": "14813-000",
      "cityName": "Sao Paulo",
      "state": "SP",
      "countryCode": "01058",
      "country": "BRA"
    },
    "activitySector": {
      "type": "cnae",
      "code": "7120100"
    }
  }
},
"establishment": {
  "name": "CE-COMP-BRAZIL",
  "federalTaxId": "77.214.253/0001-92",
  "stateTaxId": "2563339899991",
  "suframa": "865302326",
  "type": "individual",
  "taxesSettings": {
    "icmsTaxPayer": "true"
  }
},
"address": {
  "street": "detailed street adr for CE-ADR1",
  "zipcode": "10100-000",
  "cityName": "Sau paulo",
  "state": "SP",
  "countryCode": "01058",
  "country": "BRA"
},
"activitySector": {
  "type": "cnae",
  "code": "2656265"
}
},
"goods": {
  "indFinal": 0,
  "transport": null
},
"invoicesRefs": []
},
"lines": [
  {
    "lineCode": 1,
    "itemCode": "CE-BRAZIL-PART1",
    "numberOfItems": 1,
    "lineUnitPrice": 80,
    "lineAmount": 80,
    "lineTaxedDiscount": 0,
    "useType": "resale",
    "operationType": "standardPurchase",
    "orderNumber": "P101169",
    "orderItemNumber": "1",
    "freightAmount": 10,
    "insuranceAmount": 5,

```

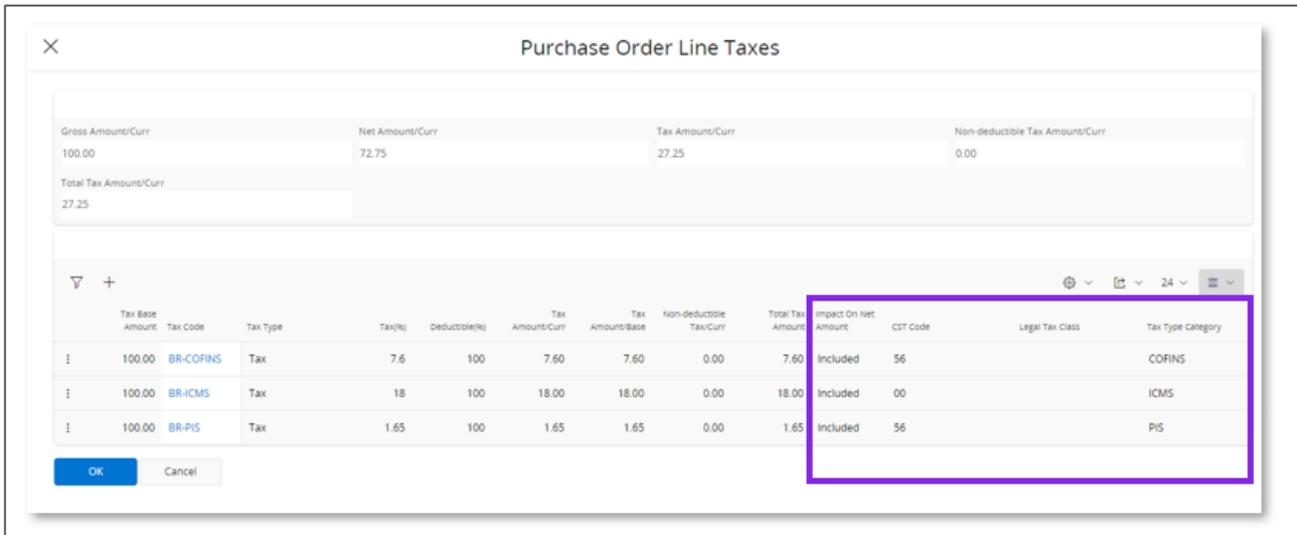
```

"header": {
  "eDocCreatorType": "self",
  "amountCalcType": "gross",
  "companyLocation": "77.214.253/0001-92",
  "documentCode": "P101169",
  "messageType": "goods",
  "locations": {
    "entity": {
      "name": "CE-BR-SUP1",
      "type": "stateGovernment",
      "taxesSettings": {
        "icmsTaxPayer": true
      }
    },
    "address": {
      "street": "Estrada Municipal Martins",
      "zipcode": "14813-000",
      "cityName": "Gavião Peixoto",
      "state": "SP",
      "countryCode": "01058",
      "country": "BRA",
      "cityCode": "3516853"
    },
    "activitySector": {
      "type": "cnae",
      "code": "7120100"
    },
    "federalTaxId": ""
  }
},
"establishment": {
  "name": "CE-COMP-BRAZIL",
  "federalTaxId": "77.214.253/0001-92",
  "stateTaxId": "2563339899991",
  "suframa": "865302326",
  "type": "individual",
  "taxesSettings": {
    "icmsTaxPayer": true
  }
},
"address": {
  "street": "detailed street adr for CE-ADR1",
  "zipcode": "10100-000",
  "cityName": "Sau paulo",
  "state": "SP",
  "countryCode": "01058",
  "country": "BRA",
  "cityCode": 0
},
"activitySector": {
  "type": "cnae",
  "code": "2656265"
}
},
"goods": {
  "indFinal": 0,
  "transport": null,
  "model": "55",
  "idDest": 0,
  "tpEmis": "1",
  "class": "Compra de material para uso ou consumo",
  "tpImp": "1"
},
"invoicesRefs": [],
"eDocCreatorPerspective": true,
"accountId": "aafa0f9a-ec32-4872-8861-a0d966f2b5a0",
"subscriptionId": "0aa49b97-6be1-46b4-b271-f4efaa221f60",
"additionalInfo": {}
},
"lines": [
  {
    "lineCode": 1,
    "itemCode": "CE-BRAZIL-PART1",

```

When response message from Avalara has been received the tax lines will be updated in the dialog for Purchase Order Line Taxes.

The data received from Avalara will include Tax Base Amount, IFS Tax Code (fetched based on the tax codes mapping set-up), Tax %, Tax Amount in Curr and Base, CST Code, Legal Tax Class (for IPI taxes), Tax Type Category and Impact on Net Amount.



Gross Amounts/Curr		Net Amounts/Curr		Tax Amounts/Curr		Non-deductible Tax Amounts/Curr	
100.00		72.75		27.25		0.00	
Total Tax Amounts/Curr							
27.25							

Tax Base Amount	Tax Code	Tax Type	Tax(%)	Deductible(%)	Tax Amounts/Curr	Tax Amounts/Base	Non-deductible Tax/Curr	Total Tax Amount	Impact On Net Amount	CST Code	Legal Tax Class	Tax Type Category
100.00	BR-COFINS	Tax	7.6	100	7.60	7.60	0.00	7.60	Included	56		COFINS
100.00	BR-ICMS	Tax	18	100	18.00	18.00	0.00	18.00	Included	00		ICMS
100.00	BR-PIS	Tax	1.65	100	1.65	1.65	0.00	1.65	Included	56		PIS

This dialog with these specific Avalara columns will only be shown for part lines when using Avalara integration, the standard tax dialog is shown for no parts and rental parts. Lines with “**Tax Inclusive**” value in Impact On Net amount column will be considered for the total tax calculation. The tax is included in the price of the product or service and is calculated based on the total amount, which already includes the tax itself. This results in a higher final price as the tax applies to the price with the tax added.

Lines with “**Tax Exclusive**” value in Impact On Net amount column will be added to the final price. The tax is calculated separately from the price of the product or service, without being part of the amount used to calculate the tax. The final price is the product price plus the tax amount.

Purchase Order part lines calculation will only consider the goods and service value when calculating the net amount and price for the part line. This calculation will be according to below example.

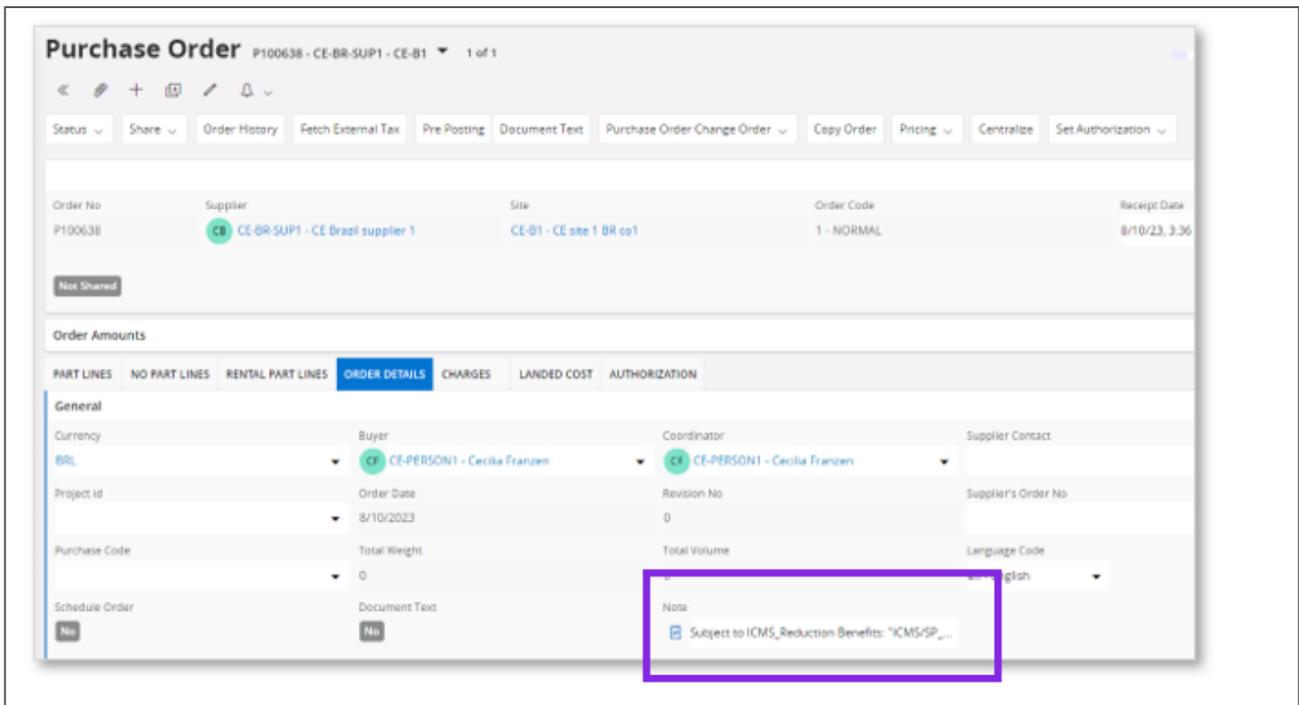
$$Part\ Line\ Tax = Part\ Gross * \left(\frac{Total\ Tax\ incl\ line\ connected\ charges}{Total\ Gross\ incl\ line\ connected\ charges} \right)$$

$$Part\ Line\ Net\ Amount = Part\ Gross - Part\ Line\ Tax$$

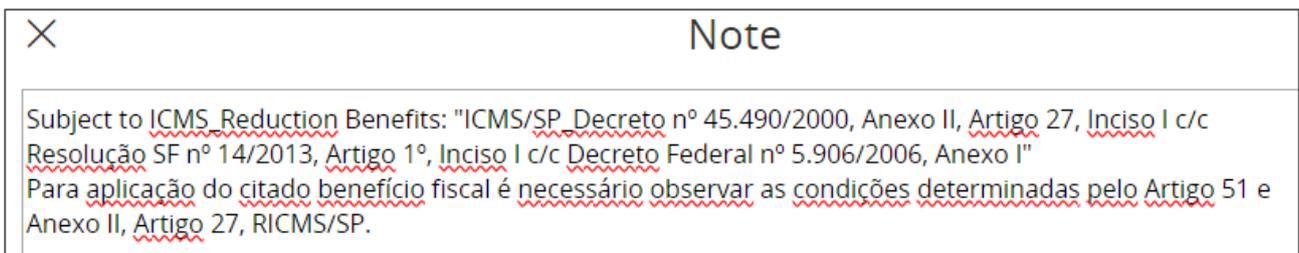
13.13.1 CITATION INFORMATION IN PURCHASE ORDER LEVEL

In the Avalara response message, there is a placeholder called “Citation” which is information related to possible tax benefits applicable for the tax scenario, for example that the company might be subject to ICMS reduction benefits. The Citation information usually refers to the conditions in an article or paragraph to be observed in more details for possible application of said tax benefit.

The Avalara “Citation Information” is saved as a “Note” on the Purchase Order header and on the Purchase Order lines.



Example from PO header Note:



Example from PO line Note:



Note

0.SC-BR-COFINS-0-0 %: PIS/COFINS Lei nº 9.718/1998, Artigo 8º
1.SC-BR-ICMS-0-18 %: ICMS/SP_Decreto nº 45.490/2000, Artigo 52, Inciso I
2.SC-BR-PIS-0-0 %: PIS/COFINS Lei nº 9.715/1998, Artigo 8º, inciso I

13.14 Tax Request to Avalara when having Line Connected Charges

The charges that are using the same Brazilian Charge Category for a line will be summarized and sent for the different Avalara tags.

For example if two charge lines connected to line no 1, rel no 1 are having National Freight as Brazilian Charge Category, the sum of 5+5=10 will be shown in the request message as freightAmount.

PART LINES		NO PART LINES		RENTAL PART LINES		ORDER DETAILS		CHARGES		LANDED COST		AUTHORIZATION	
(1)	✓	Connect to Rel No	Connect to Line No	Brazilian Charge Category	Sequ... No	Charge Type	Charge Type Description	Charge Price/Base	Charge (%)	Charge Price Incl Tax/Charge Curr			
<input checked="" type="checkbox"/>	:	1	1	National Freight	3	CE-BR-CT3	Cecilia Brazil charge t	5.00		5.00			
<input type="checkbox"/>	:	1	1	National Freight	2	CE-BR-CT1	Cecilia Brazil charge t	5.00		5.00			
<input type="checkbox"/>	:	1	1	National Insurance	1	CE-BR-CT2	CE Brazil charge type	5.00		5.00			

```

"orderNumber": "P101140",
"orderItemNumber": "1",
"freightAmount": 10,
"insuranceAmount": 5,
"itemDescriptor": {
  "hsCode": "45019000",

```

In a scenario where line connected charges exist the following calculations will be done in the Customer Order Lines tax assistant.

When line connected charges exist, the following calculations will be done in the Purchase Order Lines tax assistant. In below example there is one-line connected charge line with a gross amount base of 10.

Gross Amount/Curr	Net Amount/Curr	Tax Amount/Curr	Non-deductible Tax Amount/Curr
210.00	152.77	57.23	0.00
Total Tax Amount/Curr			
57.23			

Tax Base Amount	Tax Code	Tax Type	Tax(%)	Deductible(%)	Tax Amount/Curr	Tax Amount/Base	Non-deductible Tax/Curr	Total Tax Amount	Impact On Net Amount	CST Code	Legal Tax Class	Tax Type Category
210.00	BR-COFINS	Tax	7.6	100	15.96	15.96	0.00	15.96	Included	56		COFINS
210.00	BR-ICMS	Tax	18	100	37.80	37.80	0.00	37.80	Included	00		ICMS
210.00	BR-PIS	Tax	1.65	100	3.47	3.47	0.00	3.47	Included	56		PIS

Line connected charges will be included in the Gross Amount/Curr, then the tax lines with the included flag in Impact on Net Amount will be deducted from the Gross Amount/Curr to get the correct Net Amount/Curr for the Goods and the line connected charges according to below calculations.

$$\text{Gross Amount in Curr} = \text{Part Gross} + \text{Gross Amount Base for line connected charge lines.}$$

$$\text{Net Amount in Curr} = \text{Gross Amount in Curr} - \text{Tax Amount in Curr}$$

Purchase Order part lines calculation will only consider the goods value when calculating the net amount and price for the part line. This calculation will be according to below example.

$$Part\ Line\ Tax = Part\ Gross * \left(\frac{Total\ Tax\ incl\ line\ connected\ charges}{Total\ Gross\ incl\ line\ connected\ charges} \right)$$

$$Part\ Line\ Net\ Amount = Part\ Gross - Part\ Line\ Tax$$

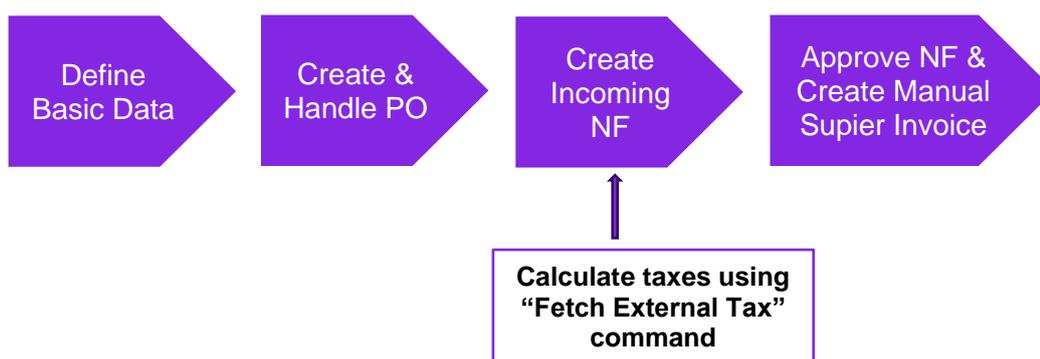
13.15 Purchase Order Change Order

It is possible to also do changes to the Purchase Order via a Purchase Order Change Order (POCO). Either it is possible to always enforce the use of Purchase Order Change Order for changes (which can be set in Site setup), or to manually trigger the creation of a Purchase Order Change Order. When updating the Purchase Order with the changes though, there will be no automatic fetch of new Avalara taxes based on the new information. So, when using a Purchase Order Change Order, the user will also be needed to trigger a manual request to Avalara (by the command **Fetch External Tax**) to get the updated taxes.

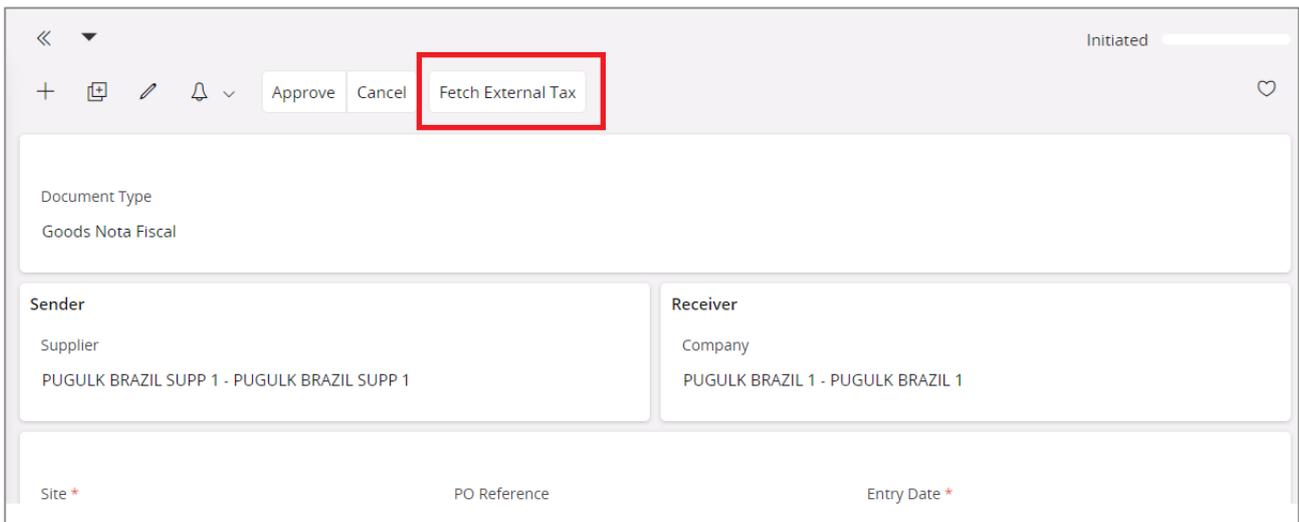
If adding or changing line connected charges including the Brazilian Charge Category in the POCO, this will also generate a new version of the Purchase Order.

13.16 Integration with Avalara for Tax Determination on Incoming Fiscal Documents

An integration with third-party Brazilian External Tax System, Avalara Brazil, allows the user to rely on Avalara for retrieval of correct tax information in the Incoming Nota Fiscal object without having to adjust data manually.



User can decide whether the taxes need to be automatically calculated based on external tax calculation application, Avalara, on Incoming NF based on manual command in Incoming NF to **Fetch External Taxes**.



This Manual command in Incoming Nota Fiscal initiated in a new tax request being sent to the Avalara, depending on the Incoming NF status below,

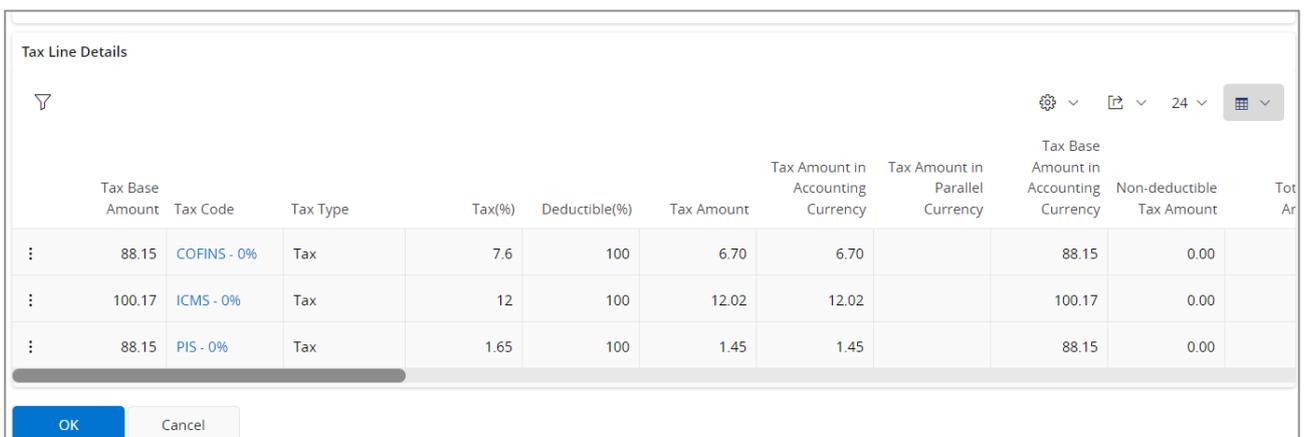
- Initiated
- Error

When all information needed for the request to be sent is present, a request to Avalara can be processed correctly. If some information is missing, you will receive an error and details about the error can be seen in the response message details.

The request and response message details can be checked in the page for Application messages. View details and download the message in order to check the values sent/received.

When response message from Avalara has been received, the tax lines will be updated in the dialog for Incoming Nota Fiscal Tax Lines.

Tax Line Details



	Tax Base Amount	Tax Code	Tax Type	Tax(%)	Deductible(%)	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Tax Base Amount in Accounting Currency	Non-deductible Tax Amount	Tot Ar
:	88.15	COFINS - 0%	Tax	7.6	100	6.70	6.70		88.15	0.00	
:	100.17	ICMS - 0%	Tax	12	100	12.02	12.02		100.17	0.00	
:	88.15	PIS - 0%	Tax	1.65	100	1.45	1.45		88.15	0.00	

OK Cancel

The data received from Avalara will include Tax Base Amount, IFS Tax Code (fetched based on the tax codes mapping set-up), Tax %, Tax Amount in Curr and Base, CST Code, Legal Tax Class (for IPI taxes), Tax Type Category.

Exceptions for the Incoming Nota Fiscal Document types

Since the below two Incoming NF types are not relevant to the automatic tax calculations, the “Fetch External Tax” Command button is not enabled for the following Incoming NF Document Types,

- ❖ Import Nota Fiscal
- ❖ Complementary Nota Fiscal

Tax Basis for Incoming Nota Fiscal Automatic Tax Calculation

- ❖ If the Nota Fiscal has a connected Purchase Order,
 - “amountCalcType” in the request file sent to Avalara will always be set to “Gross”
- ❖ If the Nota Fiscal does not have a connected Purchase Order,
 - “amountCalcType” in the request file sent to Avalara will be decided based on the “Default Amount Method” set up in the company,
 - “amountCalcType” should be “Gross” when the “Default Amount Method” is “Gross” in the company
 - “amountCalcType” should be “Net” when the “Default Amount Method” is “Net” in the company

13.17 Delimitations

For the Sales flow this release only covers tax determination via integration to Brazilian external tax system for Customer Order sales, Customer Order invoicing of goods transactions and Intersite movement of goods within same company. Scenarios supported in this release are:

- Interstate sale for ICMS taxpayer
- Interstate sale for non ICMS taxpayer
- Sale within the state

Supported tax types in this release are ICMS, ICMS Tax Substitution, PIS, COFINS and IPI.

Avalara is using 3 different calculation types, "Net", "Gross" and "Final". In this release, tax base amount on "Net" basis is supported for the sales flow.

For Procurement it covers the tax determination via integration to Brazilian external tax system (Avalara) for Order Quotation Part Lines and Purchase Order Part Lines. Also line connected charges are supported. In the procurement flow Gross price is used.

No part lines, rental lines non-line connected charges are not supported for the procurement flow. Furthermore, the flow Purchase Requisition is not supported.

Purchase Order Change Order can be used in the flows, but there will be no automatic update of Avalara Taxes when changes are updated into the Purchase Order. To get correct taxes after updates via Purchase Order Change Order, the user will need to trigger the manual command to Fetch External Tax.

When using the Avalara integration additional costs on purchase order line is not supported. Also note that centralized Purchase Orders are also not supported.

14 Outgoing Nota Fiscal for Goods

14.1 Overview Legal Requirement

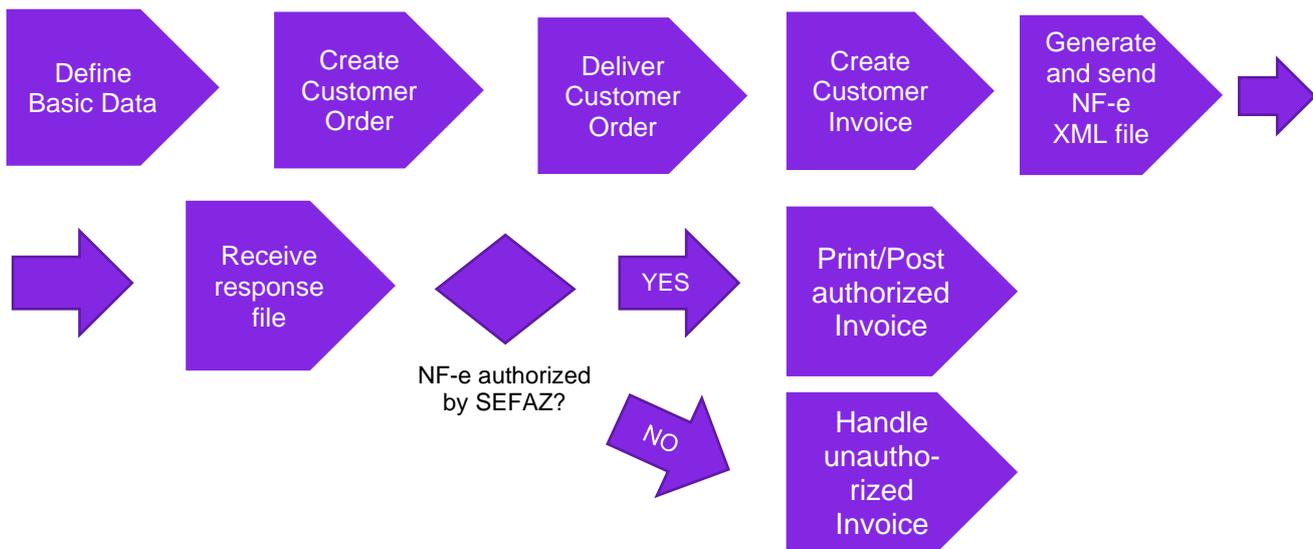
In Brazil the Nota Fiscal is a mandatory official document that must be issued to prove the existence of a commercial act, e.g. sale of goods. It's a tax document that registers transfer of ownership or possession of a good or commercial activity provided by a company to an individual or another company that is doing business in Brazil.

The NF-e is the Nota Fiscal issued online, which allows real time reporting of transactions to the *Secretaria da Fazenda* (SEFAZ), which is the state government responsible for taxation and revenue. The NF-e must be sent to SEFAZ for authorization, and the goods may only be sent to the recipient after the Nota Fiscal has been accepted by SEFAZ. A printed version of the Nota Fiscal (DANFE) must accompany the goods during transportation.

The Nota Fiscals must always be issued in Brazilian Real (BRL).

14.2 Process Overview

Customer Order



14.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Outgoing Nota Fiscals” parameter must be enabled.

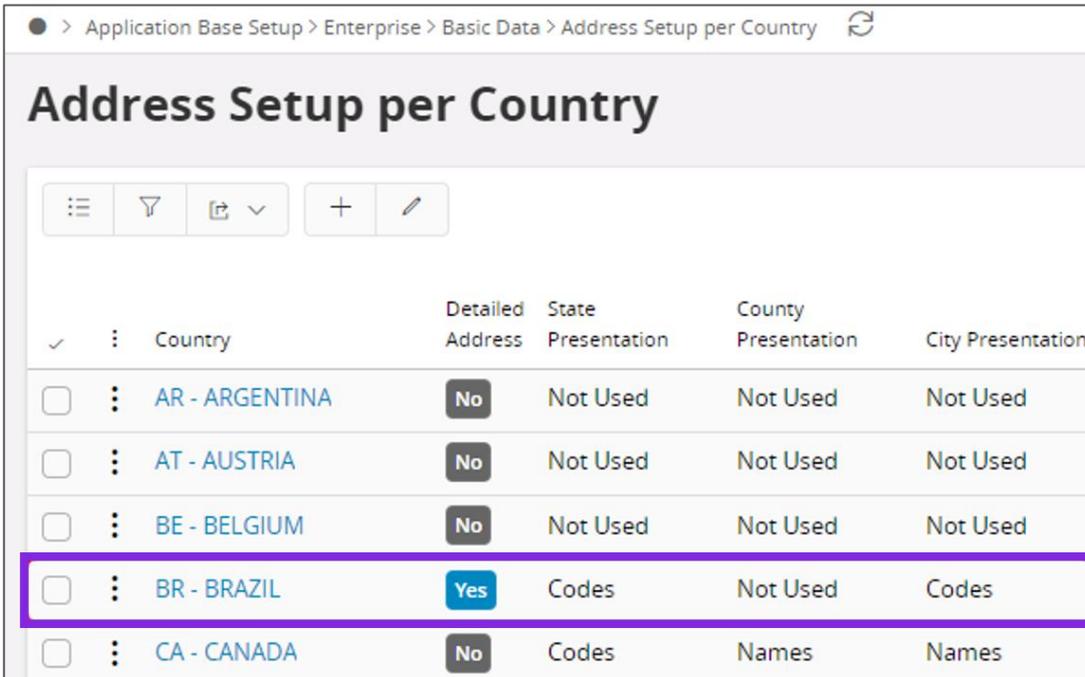
Note that also parameters “Acquisition Origin”, “Business Operation”, “Address Specific Tax ID Numbers”, “Goods/Services Statistical Codes”, “Extended Tax Codes Tax Calculation Structures set-up”, and “Allow Cancel Customer Invoices” must be enabled to fulfill data requirements for the NF-e XML file. Please see the specific chapters on how to set up the data needed.

14.4 Define Basic Data

In order to fulfill the requirements for mandatory data in the NF-e XML sent to tax authority SEFAZ, please see details in the documentation of the xml file structure and mapping to IFS in the Appendix chapter.

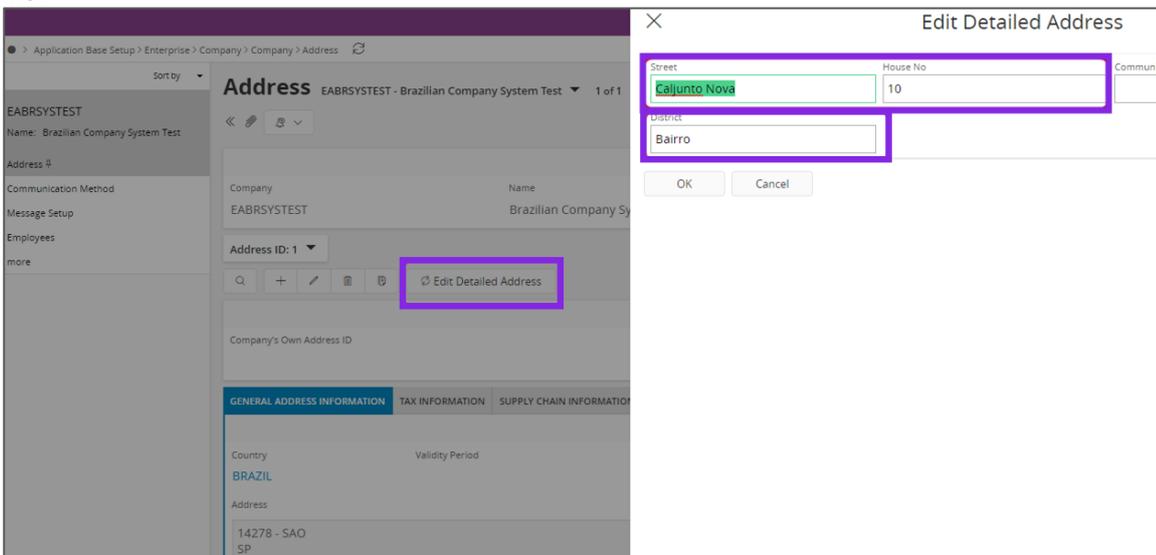
14.4.1 ADDRESS SETUP BRAZIL

Use IFS standard functionality to define settings for Brazilian addresses in page **Application Base Setup/Enterprise/Basic Data/Address Setup per Country**. Detailed Address must be used to store and fetch the address information needed for the Nota Fiscal.



Country	Detailed Address	State Presentation	County Presentation	City Presentation
AR - ARGENTINA	No	Not Used	Not Used	Not Used
AT - AUSTRIA	No	Not Used	Not Used	Not Used
BE - BELGIUM	No	Not Used	Not Used	Not Used
BR - BRAZIL	Yes	Codes	Not Used	Codes
CA - CANADA	No	Codes	Names	Names

The “Detailed Address” functionality enables the possibility to define **Street**, **House No** and **District** in specific address fields on Company, Customer etc. This information is required in the NF-e xml file.



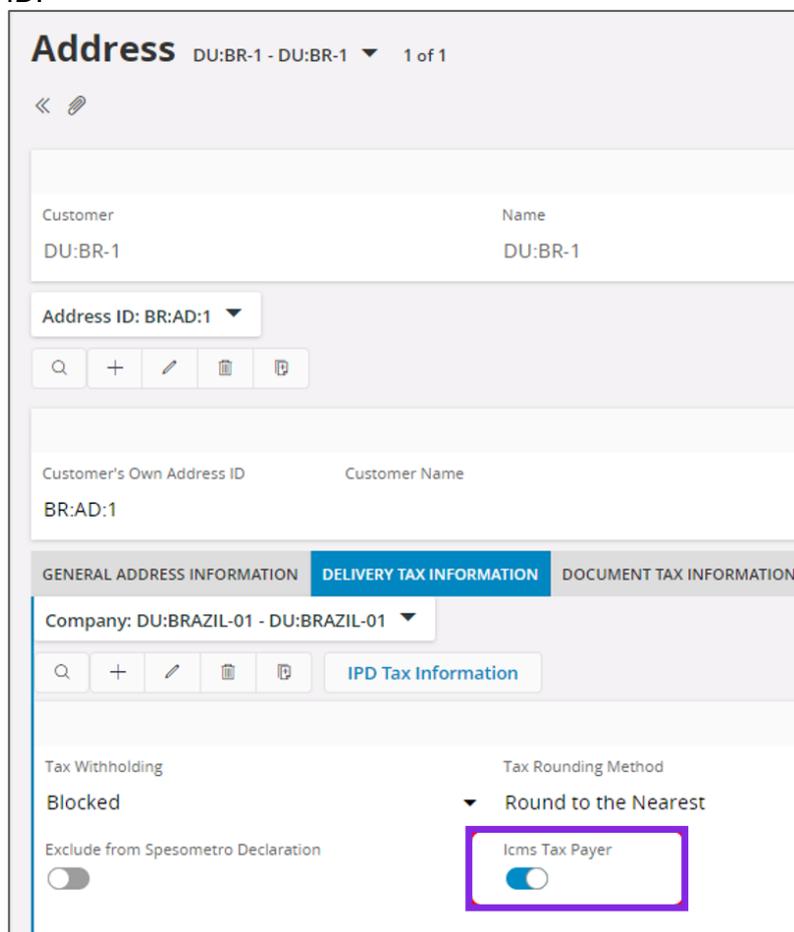
The screenshot shows the 'Edit Detailed Address' dialog box with the following fields:

- Street: Galunato Nova
- House No: 10
- District: Bairro

The 'Edit Detailed Address' button in the background interface is also highlighted with a purple box.

14.4.2 ICMS TAXPAYER

ICMS Taxpayer functionality is available in the **Sales/Customer/Customer/Address/Delivery Tax Information** page which indicates that the customer is an ICMS tax payer for the specific address ID.



Address DU:BR-1 - DU:BR-1 1 of 1

Customer: DU:BR-1, Name: DU:BR-1

Address ID: BR:AD:1

Customer's Own Address ID: BR:AD:1, Customer Name: [Empty]

Company: DU:BRAZIL-01 - DU:BRAZIL-01

Tax Withholding: Blocked

Tax Rounding Method: Round to the Nearest

Exclude from Spesometro Declaration:

Icms Tax Payer:

The setting, *ICMS Tax Payer* controls which value to be included in the NF-e XML file, block “dest” and tag “indIEDest”.

```

- <dest>
  <CNPJ>98741254112145</CNPJ>
  <xNome>Brazilian Customer 1</xNome>
  - <enderDest>
    <xLgr>Rio Grande</xLgr>
    <nro>8</nro>
    <xBairro>RIO</xBairro>
    <cMun>1578</cMun>
    <xMun>Rio de Janeiro</xMun>
    <UF>RJ</UF>
    <CEP>14254</CEP>
    <cPais>1058</cPais>
    <xPais>BRAZIL</xPais>
    <fone>023144445</fone>
  </enderDest>
  <indIEDest>2</indIEDest>
  </dest>
  <email>john.smith@ifsworld.com</email>
</dest>

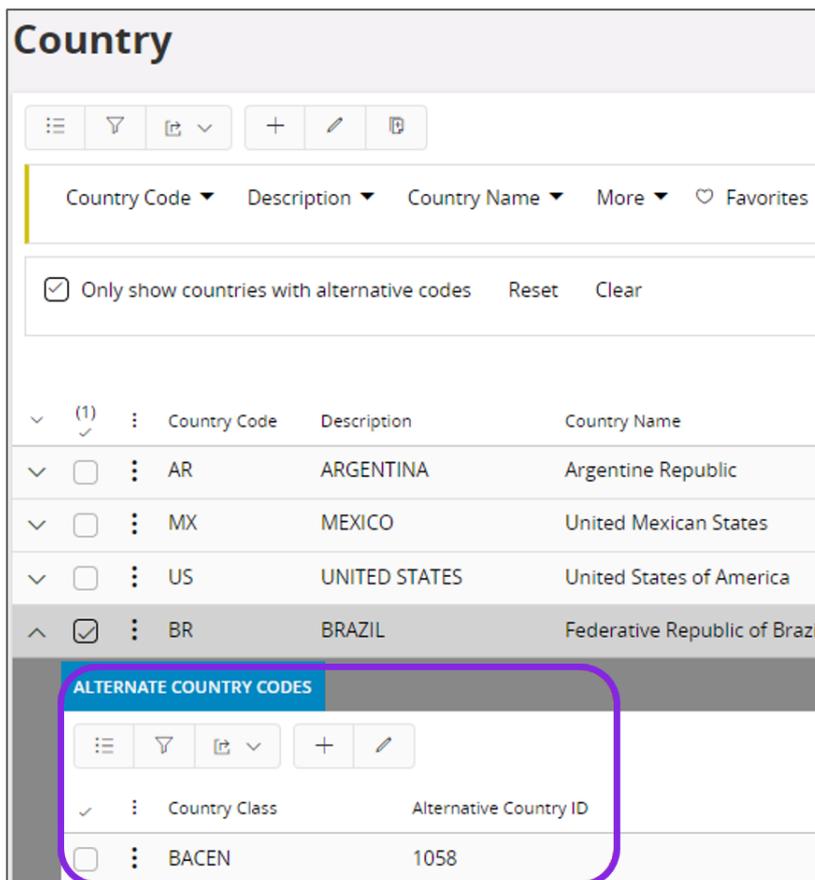
```

- If the customer is from abroad (Customer Invoice Document Address is not “Brazil”, the tag will be = **9** (not Tax Payer)
- If the customer is ICMS Tax Payer and no Tax Id Type STATE_REG (State Registration) is defined in Customer Invoice Document Address, the tag will be = **2** (Tax Payer without state registration).
- If the customer is ICMS Tax Payer and has Tax Id Type STATE_REG (State Registration) defined for the Customer Invoice Document Address, the tag will be = **1** (Tax Payer with state registration)
- If the customer is not an ICMS Tax Payer, the tag will be = **9** (not Tax Payer)

14.4.3 BACEN CODES (NON-ISO COUNTRY CODES)

BACEN Code is a country code provided by the Brazilian Central Bank (Banco Central do Brasil). The BACEN codes of the issuing company and receiving party are included in the NF-e XML file.

Use IFS standard functionality “Alternate Country Codes” to enter the BACEN codes in the **Application Base Setup/System Setup/ISO Code Usage/Country** page. For Brazil the Country Class “BACEN” must be used to fetch values to the NF-e XML file.



Country

Country Code | Description | Country Name | More | Favorites

Only show countries with alternative codes | Reset | Clear

Country Code	Description	Country Name
AR	ARGENTINA	Argentine Republic
MX	MEXICO	United Mexican States
US	UNITED STATES	United States of America
BR	BRAZIL	Federative Republic of Brazil

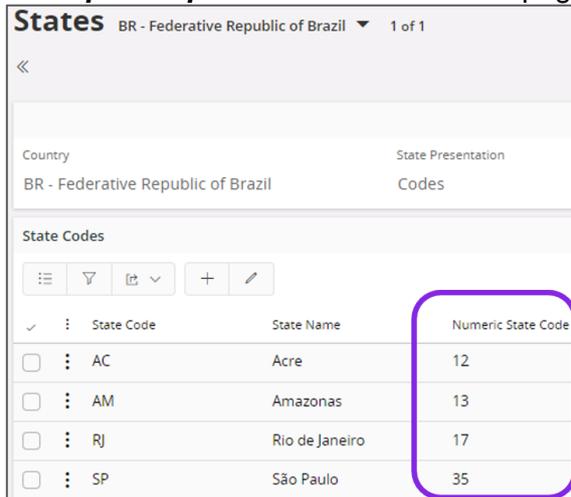
ALTERNATE COUNTRY CODES

Country Class	Alternative Country ID
BACEN	1058

14.4.4 IBGE STATE CODES (NUMERIC STATE CODES)

The IBGE state code specified by the Brazilian Institute of Geography and Statistics is needed in the NF-e XML for the issuer address.

To define **IBGE State Code**, use IFS standard functionality “Numeric State Code” in the **Application Base Setup/Enterprise/Basic Data/States** page.



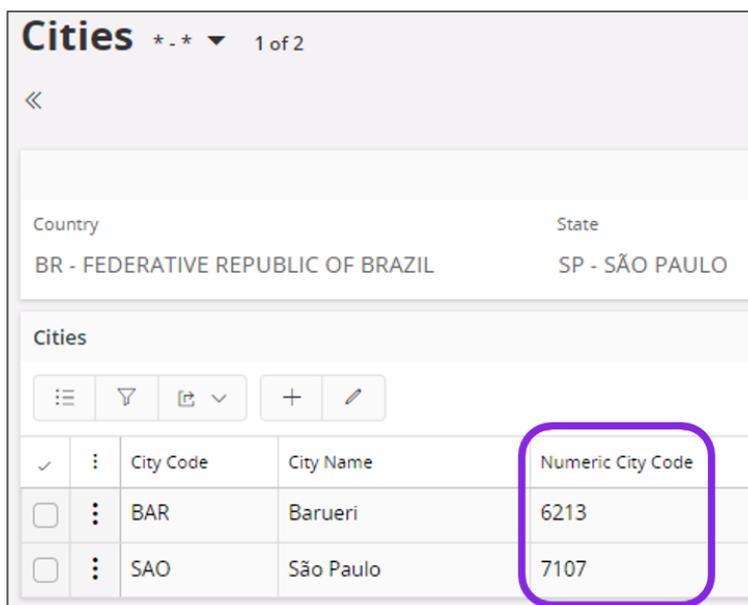
Country	State Presentation
BR - Federative Republic of Brazil	Codes

State Code	State Name	Numeric State Code
AC	Acre	12
AM	Amazonas	13
RJ	Rio de Janeiro	17
SP	São Paulo	35

14.4.5 IBGE CITY CODES (NUMERIC CITY CODES)

The IBGE state code specified by the Brazilian Institute of Geography and Statistics is needed in the NF-e XML for both the issuer and the receiver address.

Use IFS standard functionality to enter the numeric city codes in the **Application Base Setup/Enterprise/Basic Data/Cities** page.



Country	State
BR - FEDERATIVE REPUBLIC OF BRAZIL	SP - SÃO PAULO

City Code	City Name	Numeric City Code
BAR	Barueri	6213
SAO	São Paulo	7107

14.4.6 FINAL CONSUMER

In the NF-e XML file there is a mandatory tag for “Final Consumer” (indFinal) with value Yes or No.

New functionality, “Final Consumer” is added in the **Sales/Order/ Customer Order/ Order Details** tab with default value NO.

This could be manually enabled considering the below criteria prescribed by the Brazilian authorities, e.g.:

- The customer is a physical party (and not juridical)
- The order value is not greater than an amount in BRL specified by the Brazilian authorities
- Depending on type of sales operation

Customer Order P10452 5 of 24+

Share Operations Invoice RMA Related Pages Copy Order

Order No	Customer	Site	Order Type
P10452	BRCUST1 - Brazilian Customer 1	BR1	NO

Order Amounts

Total Net Amount/Base	Total Contribution Margin/B...	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr
1400,00 BRL	480,00 BRL	34,29	1400,00 BRL	300,00 BRL

ORDER DETAILS | CHARGES | INVOLVED PARTIES

Coordinator	Currency	Customer's PO No	Additional Discou...	Priority	Delivery Address
ALAIN - Alain Prost	BRL		0		1 - Brazilian Custo
Reference	Agreement ID	Language Code	Final Consumer No		Document Address
Salesperson	Add Rebate Customer	Main Representative	Document Address		

```

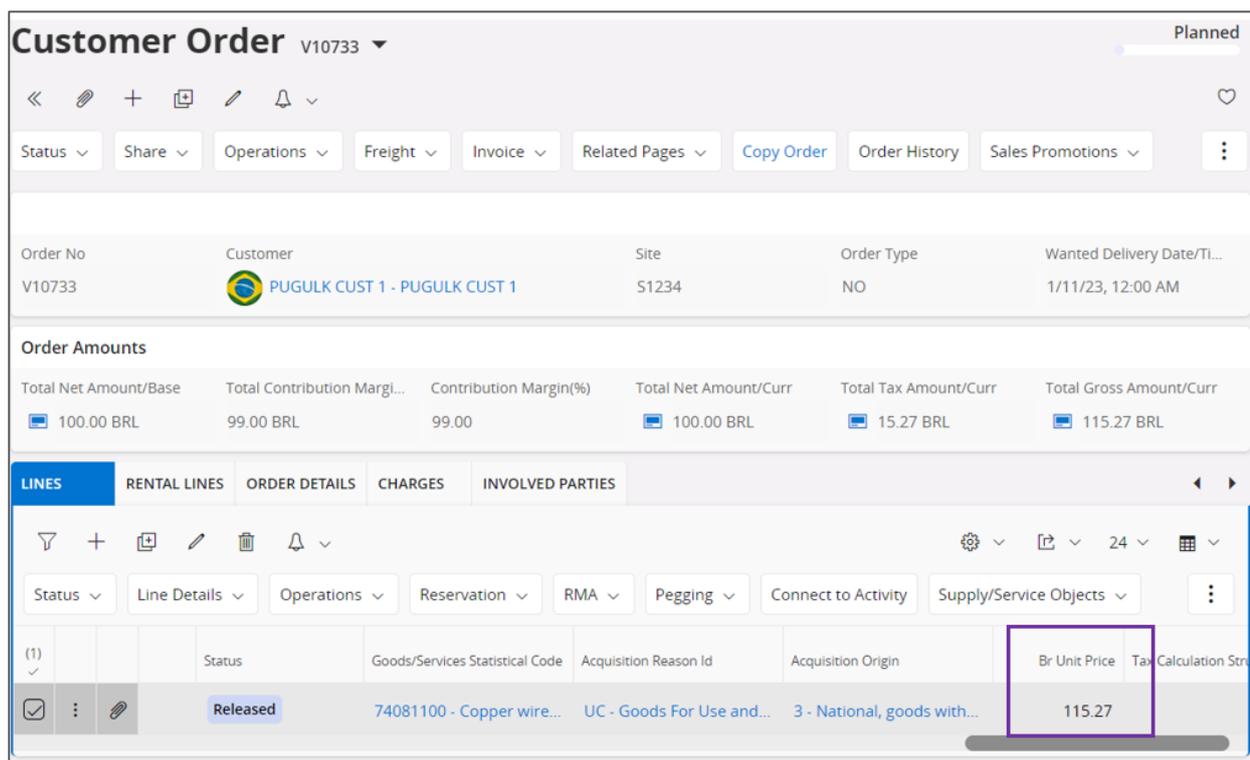
- <NFe xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w
- <infNFe versao="4" Id="35210612345679123450650090000100021002029788">
  - <ide>
    <cUF>35</cUF>
    <cNF>00202978</cNF>
    <natOp>Vendas</natOp>
    <mod>65</mod>
    <serie>009</serie>
    <nNF>000010002</nNF>
    <dhEmi>2021-06-21T15:55:00+00:00</dhEmi>
    <dhSaiEnt>2021-06-21T15:55:00+00:00</dhSaiEnt>
    <tpNF>1</tpNF>
    <idDest>2</idDest>
    <cMunFG>50308</cMunFG>
    <tpImp>1</tpImp>
    <tpEmis>1</tpEmis>
    <cDV>8</cDV>
    <tpAmb>2</tpAmb>
    <finNFe>1</finNFe>
    <indFinal>0</indFinal>
    <indPres>1</indPres>
    <procEmi>0</procEmi>
    <verProc>4</verProc>
  </ide>
  - <emit>
    <CNPJ>12.345.679/1234-50</CNPJ>
    <xNome>Brazilian Company 1</xNome>
  - <enderEmit>

```

Placeholder – “Brazil Unit Price”

In Brazilian context, some taxes are included in the price of a product (in Brazilian way of explaining). This means that the tax amounts are included in the tax base amount. The tax % is expressed for the tax base amount which includes the tax amount as well. However, the logic used to embed the tax amounts in the price for Brazil considers some specific taxes (ex: ICMS, PIS and COFINS). Some taxes are not a part of this (ex: IPI), as these taxes are always separated from the price in the Nota Fiscal.

This is the placeholder in the Customer Order Line level – “**Brazil Unit Price**” in order to be the placeholder for the amount returned by Avalara in the attribute line “Unit Price” of Json file., This will be sent as the unit price for Outgoing Nota Fiscal line and xml file item – “**VunCom**”.



Customer Order V10733 Planned

Order No: V10733 | Customer: PUGULK CUST 1 - PUGULK CUST 1 | Site: S1234 | Order Type: NO | Wanted Delivery Date/TI...: 1/11/23, 12:00 AM

Total Net Amount/Base	Total Contribution Margl...	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
100.00 BRL	99.00 BRL	99.00	100.00 BRL	15.27 BRL	115.27 BRL

(1)	Status	Goods/Services Statistical Code	Acquisition Reason Id	Acquisition Origin	Br Unit Price	Tax Calculation Str
✓	Released	74081100 - Copper wire...	UC - Goods For Use and...	3 - National, goods with...	115.27	

```

<enderDest>
  <xLgr>No 12</xLgr>
  <nro>15/B</nro>
  <xBairro>Rio</xBairro>
  <cMun>1200401</cMun>
  <xMun>Rio Branco</xMun>
  <UF>AC</UF>
  <CEP>69900-000</CEP>
  <cPais>1058</cPais>
  <xPais>BRAZIL</xPais>
  <fone/>
</enderDest>
<indIEDest>1</indIEDest>
<IE>12347543</IE>
<email/>
</dest>
<det nItem="1">
  <prod>
    <cProd>SALES PART 01</cProd>
    <cEAN>SEM GTIN</cEAN>
    <xProd>Sales Part 01</xProd>
    <NCM>74081100</NCM>
    <CEST>2899900</CEST>
    <EXTIPI/>
    <CFOP>6101</CFOP>
    <uCom>*</uCom>
    <qCom>1.0000</qCom>
    <vUnCom>115.2700</vUnCom>
    <vProd>115.27</vProd>
    <cEANtrib>SEM GTIN</cEANtrib>
    <uTrib>pcs</uTrib>
    <qTrib>1.0000</qTrib>
    <vUnTrib>115.27</vUnTrib>
  </prod>
</det>
  </indTot>
  </prod>
  
```

This is the placeholder in the Project Invoice Line level – “**Brazil Unit Price**” to represent the amount returned by Avalara in the attribute “Line Unit Price” of JSON file. This is sent as the unit price for Outgoing Nota Fiscal line.

Project Invoice PJ - 0102NFES000030013

Customer: RCA DOMESTIC CUST, Customer Name: NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL, Project: NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL, Invoice Series: PJ

Invoice No: 0102NFES000030013, Official Document No: 0102NFES000030013, Invoice Period Start: 8/9/2024, Invoice Period End: 8/10/2024

Notes: No, Invoice Text: Yes

Amounts: Currency: BRL, Gross Amount: 8,707.21, Net Amount: 8,050.00, Tax Amount: 657.21

Item ID	Invoice Text	Description	Project	Sub Project	Activity	Report Code	HSN/SAC Code	Price Adjustment ID	Quantity	Price	BR Unit Price	Net Amount	Tax Code	Tax Calculation Structure	Multiple Tax Lines	Tax Percentage	Tax Amount	Withheld Tax Amount	Gross Amount
2	Yes	Time	PR-001 - PR-001	S2 - S2	A5 - A5	T01 - Time			11	500.00	550.96	5,500.00			Yes		560.61		6,060.61
3	Yes	Consultant costs	PR-001 - PR-001	S2 - S2	A5 - A5	CC01 - Consultant costs			5	510.00	529.32	2,550.00			Yes		96.60		2,646.60

Outgoing Nota Fiscal - 010000080133

Document Type: Goods Nota Fiscal

Sender: Company: STDBRAZIL, Company Name: STDBRAZIL - PLEASE DON'T CHANGE TH...

Receiver: Customer: BR DOMESTIC CUST, Customer Name: NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL

Amounts: Charge Amounts

Line ID	Quantity	Brazil Unit Price	Price	Net Amount	Net Amount in Accounting Currency	Tax Amount	Tax Amount in Accounting Currency	Accounting Amount	Tax Code	Tax Calculation Structure
1	1	1343.82	1000.00	1000.00	1000.00	474.84	474.84	1474.84		

Note: When Avalara isn't used to calculate the relevant taxes, “**Brazil Unit Price**” will be calculated manually as follows.

Calculation

$$\text{Brazil Unit Price} = \frac{\text{Unit (Line Net Amount + Total Line tax Amount Without IPI Taxes)}}{\text{Line Quantity}}$$

Example: Brazil Unit Price = $((1000 + (87.61+46.11+19.02)) / 10 = 115.27$

PRESENCE TYPE

In the NF-e XML file there is a mandatory tag for “Presence Type” (indPres). The “Presence Type” is fetched from the Business Transaction Code defined in the Customer Order which is connected to the Customer Order Invoice.

Business Transaction Codes						
✓	:	Business Transaction Id	Description	Direction	Presence Type	Acquisition Reason Id
<input type="checkbox"/>	:	100	Domestic Sales - Use and	Outbound	Presence-Onsite	2
<input type="checkbox"/>	:	110	Sales without taxes	Outbound	Internet	
<input type="checkbox"/>	:	130	Triangular sales	Outbound	Phone	

Not Applied: 0

Presence-Onsite: 1

Internet: 2

Phone: 3

Presence-Offsite: 5

Non-Presence: 9

```
<?xml version="1.0" encoding="UTF-8" ?>
<NFe xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.w3.org/2001/XMLSchema http://www.w3.org/2001/XMLSchema" Id="35210612345679123450650090000100021002029788" >
  <ide>
    <cUF>35</cUF>
    <cNF>00202978</cNF>
    <natOp>Vendas</natOp>
    <mod>65</mod>
    <serie>009</serie>
    <nNF>000010002</nNF>
    <dhEmi>2021-06-21T15:55:00+00:00</dhEmi>
    <dhSaiEnt>2021-06-21T15:55:00+00:00</dhSaiEnt>
    <tpNF>1</tpNF>
    <idDest>2</idDest>
    <cMunFG>50308</cMunFG>
    <tpImp>1</tpImp>
    <tpEmis>1</tpEmis>
    <cDV>8</cDV>
    <tpAmb>2</tpAmb>
    <finNF>1</finNF>
    <indFinal>0</indFinal>
    <indPres>1</indPres>
    <procEmi>0</procEmi>
    <verProc>4</verProc>
  </ide>
  <emit>
    <CNPJ>12.345.679/1234-50</CNPJ>
    <xNome>Brazilian Company 1</xNome>
  </emit>
</NFe>
```

14.4.7 COMPLEMENTARY INFORMATION IN NF-E

Complementary information related to the Nota Fiscal is needed to explain to the tax authorities how taxes in different scenarios have been calculated and to show that you as a taxpayer follow the tax laws. The complementary information can refer to a specific law or regulation or to explain and prove that the taxes applied, and their rates, fulfill the Brazilian regulations.

Use IFS standard functionality to connect pre-defined Invoice Text ID:s or to enter free text in the **Sales/Invoicing/Customer Invoice/General** tab for the Customer Invoice in status "Preliminary".

Customer Invoice BRCUST1 - Brazilian Customer 1 - 202310 - CUSTORDDEB - P10596
1 of 3 Preliminary

Cancel Preliminary Invoice Posting Installation Plan and Discounts Notes Send Electronic Fiscal Note

Customer No	Customer Address Name	Series ID	Invoice No	Company	Site	Invoice Created	Order Created
BRCUST1	Brazilian Customer 1	PR	202310	EABR1	BRSA	2021-05-10	2021-05-10

Amounts					
Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	15439,31	15200,00	239,31	1	1

GENERAL | NF-E INFORMATION | HISTORY

Invoice Type
CUSTORDDEB - Customer Order Invoice, Debit

Invoice Address
1

Invoice Date
2021-05-10

Our Reference
ALAIN PRESTON

Branch
A

Printed Date

Preliminary Invoice No
202310

Customer Reference

Customer Reference Name

Customer Branch

Jinsui Status
Non Jinsui

Indicators

Price Adjustment: No

Advance/Prepayment Invoice: No

Use Price Incl Tax: No

Notes: No

Correction Exist: No

Correction Invoice: No

Correction Reason ID

Correction Reason

Payment

References

Order No: P10596

Debit/Corr Invoice Series

SBI Ref No

Delivery

Invoice Text

Invoice Text ID:

Invoice Text: General complementary text to be included in all fiscal n...

Q Find Clear

1 (Text ID)

General complementary text to be included in all fiscal notes (Text)

FALSE (Ending Text)

Customer Invoice BRCUST1 - Brazilian Customer 1 - 202978 - CUSTORDDEB - P10608 2 of 3 Preliminary

Share Cancel Preliminary Invoice Posting Installation Plan and Discounts Notes Send Electronic Fiscal Note

Customer No	Customer Address Name	Series ID	Invoice No	Company	Site	Invoice Created	Order Created
BRCUST1	Brazilian Customer 1	PR	202978	EABR1	BRSA	2021-06-16	2021-05-14

Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	15200,00	15200,00	0,00	1	1

LINES GENERAL NF-E INFORMATION HISTORY

Invoice Type	Invoice Address	Indicators
CUSTORDDEB - Customer Order Invoice, Debit	1	Price Adjustment: No, Advance/Prepayment Invoice: No, Use Price Incl Tax: No
Invoice Date: 2021-06-16, Printed Date: [Calendar Icon], Preliminary Invoice No: 202978		Notes: No, Correction Exist: No, Correction Invoice: No
Our Reference: ALAIN PRESTON, Customer Reference: [Dropdown], Customer Reference Name: [Dropdown]		Correction Reason ID: [Dropdown], Correction Reason: [Dropdown]
Branch: A, Customer Branch: [Dropdown], Jinsui Status: Non Jinsui		

Payment Delivery

References Invoice Text

Order No	Shipment ID	RMA No	Invoice Text ID	Invoice Text
P10608				Material segue para amostra, sem retorno, Isento de IC...

The complementary information entered as Invoice Text on the Customer Invoice is fetched to the NF-e XML file and added in the **infAdic** block and tag "infCpl".
 With an integration to 3rd party tax determination engine for Brazilian taxes enabled, this complementary information can be received in the response file and automatically saved as Invoice Text on the Customer Invoice.

```

- <transp>
- <vol>
  <pesoL>0</pesoL>
  <pesoB>0</pesoB>
</vol>
</transp>
- <cobr>
- <fat>
  <nFat>202978</nFat>
  <vOrig>15200</vOrig>
  <vDesc>0</vDesc>
  <vLiq>15200</vLiq>
</fat>
</cobr>
- <pag>
- <detpag>
  <tPag>99</tPag>
  <vPag>15200</vPag>
</detpag>
</pag>
- <infAdic>
  <infCpl>Material segue para amostra, sem retorno, Isento de ICMS nos termos do Art. 3. do Anexo I do livro VI do Dec. n. 45.490/00 - RICMS - SP</infCpl>
  <infAdic>
  <infNFe>
</NFe>
  
```

14.4.8 INVOICE SERIES USED FOR NF-e

Enable the toggle "Used for NF-e" in the **Financials/Customer Invoice/Basic Data/Invoice Series** page for the invoice series used for invoicing of customer order delivery of goods. This setting will add value "55 = NF-e" in the corresponding xml tag for generated electronic Nota Fiscales.

Invoice Series

Series ID: PR;II;PJ;SI | Description | Voucher Type | More | Favo

✓	:	Series ID	Description	Used for NFe	Voucher Type
<input type="checkbox"/>	:	SI	Manual Supplier Invoice	No	
<input type="checkbox"/>	:	PR	Preliminary Customer Invoice	Yes	
<input type="checkbox"/>	:	PJ	Project Invoices	No	
<input type="checkbox"/>	:	II	Instant Customer Invoice	No	

14.5 Create Customer Order

Follow standard functionality to enter a Customer Order. Select an option for Business Transaction ID in the corresponding field in **Customer Order/Order Details** tab, group Brazilian Specific Attributes.

Customer Order P10739 1 of 15 Released

Status | Share | Operations | Freight

Order Amounts

LINES	RENTAL LINES	ORDER DETAILS	CHARGES	INVOLVED PARTIES
...		Delivery Address		
		Delivery Settings		Document Address
		Delivery Confirmation		Invoice
				Order Picking
				Shipment
				Brazilian Specific Attributes
				Business Transaction Id
				100 - RCA BUSINESS TRANSACTION TEST

A Customer Order Type which stops the processing before the “Print Invoice” event is performed must be used.

			Stop After
<input checked="" type="checkbox"/>	⋮	Events	
<input type="checkbox"/>	⋮	RELEASE ORDER	No
<input type="checkbox"/>	⋮	PRINT ORDER CONFIRMA	No
<input type="checkbox"/>	⋮	RESERVE ORDER	No
<input type="checkbox"/>	⋮	CREATE PICK LIST	No
<input type="checkbox"/>	⋮	PRINT PICK LIST	No
<input type="checkbox"/>	⋮	REPORT PICKING	No
<input type="checkbox"/>	⋮	DELIVER ORDER	No
<input type="checkbox"/>	⋮	CREATE DELIVERY NOTE	No
<input type="checkbox"/>	⋮	PRINT DELIVERY NOTE	No
<input type="checkbox"/>	⋮	CREATE INVOICE	Yes
<input type="checkbox"/>	⋮	PRINT INVOICE	No

Tax Lines information can be automatically fetched from integration to 3rd party Avalara Brazil if LCC parameter “Tax Determination via Integration to Brazilian External Tax System” is enabled or using the core Tax Calculation Structures functionality together with enabled LCC parameter for “Extended Tax Codes and Tax Calculation Structures set-up”.

Applicable CST Code and Legal Tax Class (only for IPI taxes) should be manually entered if not automatically received in the integration to Avalara Brazil, as it’s mandatory information for the electronic Nota Fiscal to be sent to the Brazilian tax Authority. These values will be transferred to the Customer Invoice in the next step of the process.

Customer Order Line Tax Lines

Gross Amount	Net Amount	Tax Amount
838,62	727,50	111,12

Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base	CST Code	Legal Tax Class	Tax Type Category
838,62	BR COFINS-0	Tax	7,6	63,74	63,74	01		COFINS
838,62	BR ICMS-0	Tax	4	33,54	33,54	00		ICMS
838,62	BR IPI-0	Tax	0	0,00	0,00	51	999	IPI
838,62	BR PIS-0	Tax	1,65	13,84	13,84	01		PIS

14.6 Deliver Customer Order

Single Order delivery

Deliver the single Customer Order using standard functionality.

Shipment delivery

In case of delivery using the IFS Shipment functionality, the Customer Order must be connected to a Shipment Type. Enter a Shipment Type in page **Shipment Management/Outbound Shipment/Basic Data/Shipment Type** and select 'Stop After' the event "Create Invoice" to stop the shipment invoice to be printed automatically before the outgoing NF-e is created and authorized.

Customer Orders with different Business Transaction ID:s are not allowed to be mixed in the same Shipment ID. The selected Business Transaction ID in Customer Order header is transferred to the "Reference ID" field in the Customer Order line and will be considered as a consolidation parameter for Shipments.

It is therefore mandatory to set **Reference ID** as a consolidation parameter in "Consolidate Source Lines By" on the **Shipment Type** page.

Shipment Type BR - Brazil 1 of 1

+ Translation

Shipment Type	Description	Confirm Shipment Location	Online Processing	Approve before Delivery
BR	Brazil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Keep Manual Gross Weight and Volume

Shipment Creation

Customer Order	Shipment Order	Receipt Return
At Order Release	Not Automatic	Not Automatic

Consolidation Parameters

Consolidate Source Lines by

Reference ID

SHIPMENT EVENTS | **CUSTOMER ORDER EVENTS** | SHIPMENT ORDER

Event	Stop After
CREATE INVOICE	<input type="checkbox"/>
PRINT INVOICE	<input checked="" type="checkbox"/>

In the generated NF-e XML file header tag IDE_INDPRES value represents the Presence Type which is taken from the Business Transaction ID in the Customer Order.

14.7 Create Customer Invoice

Create the Customer (Order) Invoice or the Shipment Invoice (Customer Order Collective Invoice, Debit) in Preliminary state using IFS standard functionality.

14.8 Create Outgoing Nota Fiscal

The Notas Fiscal must always be issued in Brazilian Real, Customer Orders/Invoices for sales in foreign currencies will be converted into accounting currency BRL when the Outgoing Nota Fiscal is created.

Company level parameter, “*Manually Process Nota Fiscal*” determines whether the Outgoing Nota Fiscal is automatically created when creating the Customer Invoice or manually created from the **Outgoing Nota Fiscal** page.

Invoice DU-BR - DU-BR Company ▾ 1 of 5

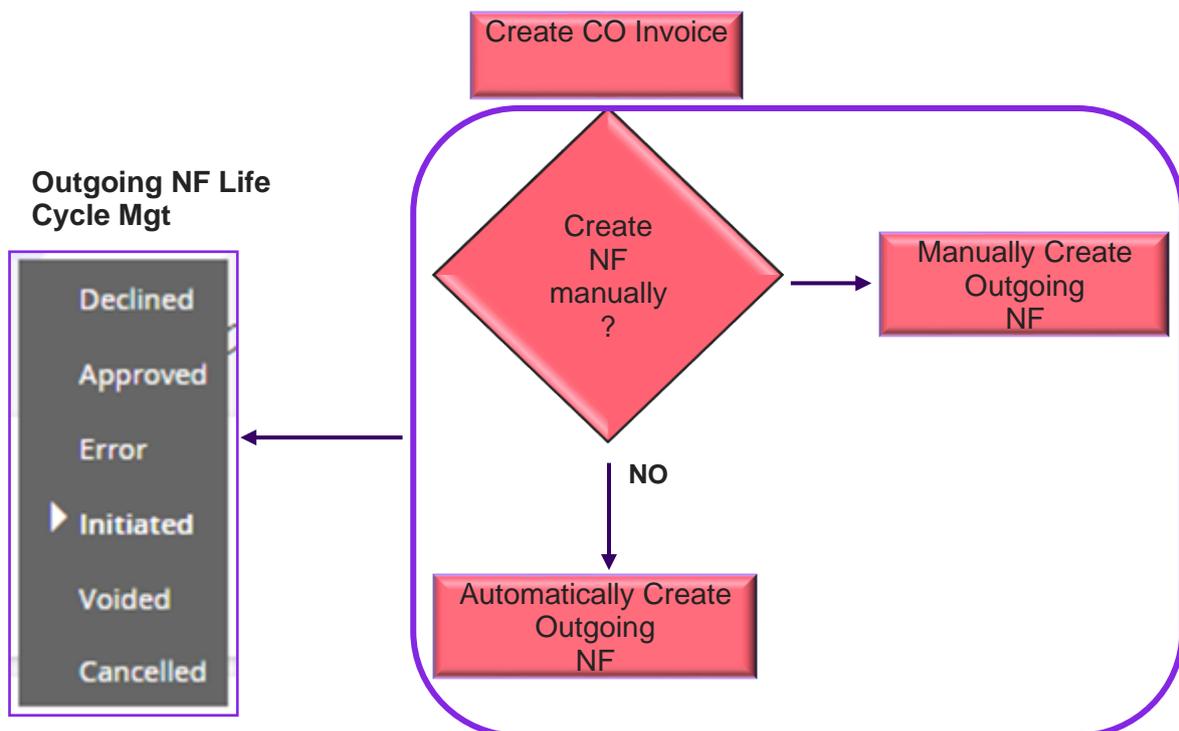
Company: DU-BR Name: DU-BR Company Association No:
 Created By: DUDALK

GENERAL DEFAULT INVOICE TYPES PO MATCHING DOCUMENT MANAGEMENT **NF-E COMPLIANCE**

Manually Process Incoming Nota Fiscal: Manually Process Outgoing Nota Fiscal:

Attachments

Process Overview



Below table shows, how this Company level parameter, “Manually Process Nota Fiscal” works with Customer Order Invoice, *Outgoing Nota Fiscal* and the NFe XML generation.

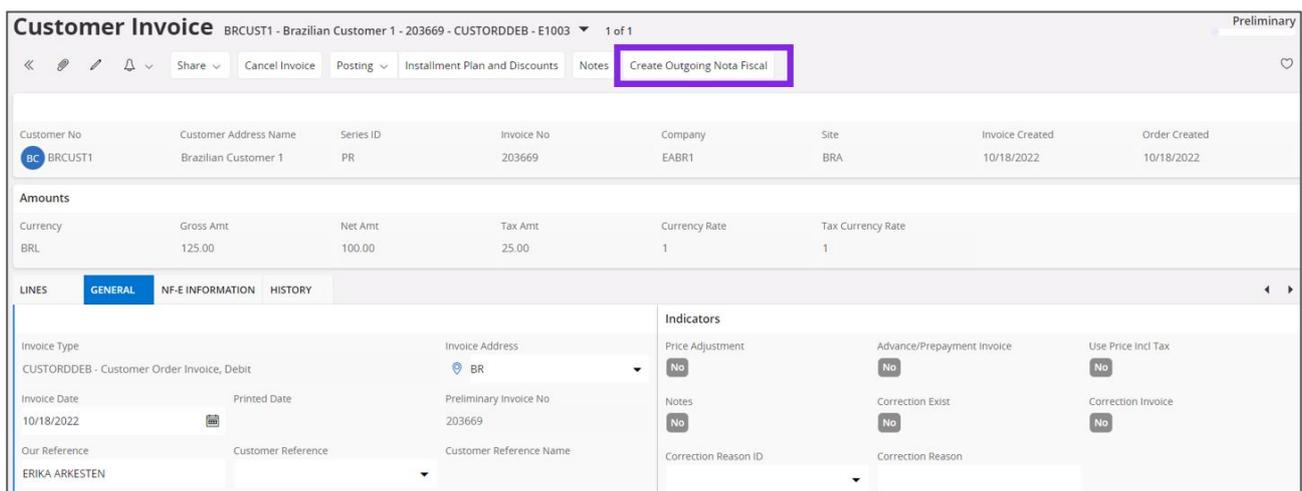
Parameter, Manually Process Nota Fiscal	Outgoing Nota Fiscal object	NFe XML generation
Enabled (Outgoing NF is Manually processed)	First, Customer Order Invoice is created and the Outgoing NF need to be manually created by using the command, Create Outgoing Nota Fiscal.	NFe XML need to be manually generated by using the command Send Nota Fiscal in the Outgoing NF page.
Disabled (Outgoing NF is Automatically processed)	When Customer Order Invoice is created, the Outgoing NF object is automatically created.	NFe XML is automatically generated based on the Outgoing NF object.
<i>*Both the Outgoing NF object and the NFe XML is automatically generated</i>		

14.9 Outgoing Nota Fiscal Life Cycle Management

14.9.1 OUTGOING NF MANUALLY CREATED

Company level parameter, “Manually Process Nota Fiscal” is enabled, then in the Customer Order Invoice process, Outgoing Nota Fiscal need to be manually created. To facilitate this manual process, command **Create Outgoing Nota Fiscal** is enabled on CO Invoice.

Same command is enabled on the Outgoing Tax Document for the Intracompany Goods Movement, Sales for Future Delivery and Triangular Sales scenarios as well.



The screenshot displays the 'Customer Invoice' interface for a Brazilian customer. At the top, there are navigation icons and a 'Create Outgoing Nota Fiscal' button highlighted with a purple box. Below this, a table lists invoice details: Customer No (BRCUST1), Customer Address Name (Brazilian Customer 1), Series ID (PR), Invoice No (203669), Company (EABR1), Site (BRA), Invoice Created (10/18/2022), and Order Created (10/18/2022). An 'Amounts' section shows Currency (BRL), Gross Amt (125.00), Net Amt (100.00), Tax Amt (25.00), Currency Rate (1), and Tax Currency Rate (1). The 'LINES' section is currently on the 'GENERAL' tab, showing Invoice Type (CUSTOMRDEB - Customer Order Invoice, Debit), Invoice Address (BR), Invoice Date (10/18/2022), and Our Reference (ERIKA ARKESTEN). An 'Indicators' section on the right contains several toggle buttons for 'Price Adjustment', 'Advance/Prepayment Invoice', 'Use Price Incl Tax', 'Notes', 'Correction Exist', and 'Correction Invoice', all currently set to 'No'.

Customer Invoice BRCUST1 - Brazilian Customer 1 - 203669 - CUSTORDDEB - E1003 1 of 1 Preliminary

Share Posting Installment Plan and Discounts Notes **View Outgoing Nota Fiscal**

Customer No	Customer Address Name	Series ID	Invoice No	Company	Site	Invoice Created	Order Created
BC BRCUST1	Brazilian Customer 1	PR	203669	EABR1	BRA	10/18/2022	10/18/2022

Amounts

Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	125.00	100.00	25.00	1	1

LINES GENERAL NF-E INFORMATION HISTORY

Invoice Type	Invoice Address	Indicators
CUSTORDDEB - Customer Order Invoice, Debit	BR	Price Adjustment: No, Advance/Prepayment Invoice: No, Use Price Incl Tax: No
Invoice Date: 10/18/2022	Printed Date: [Calendar]	Notes: No, Correction Exist: No, Correction Invoice: No
Our Reference: ERIKA ARKESTEN	Customer Reference: [Dropdown]	Correction Reason ID: [Dropdown], Correction Reason: [Dropdown]

Outgoing Tax Document

Search (1)

1180 1 of 1 Preliminary

Cancel Shipment **Create Outgoing Nota Fiscal**

Tax Document No	Series ID	Series No	Source Ref Type
1180			Shipment
Source Reference	Created Date	Voucher Date	
1264	2/25/2025	2/25/2025 [Calendar]	

Total Amounts

Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
1230.00	133.55	1363.55	BRL

GENERAL LINES

Sender	Receiver
Sender Type, Sender ID, Sender Description	Receiver Type, Receiver ID, Receiver Description

Outgoing Tax Document

Search (1)

1180 1 of 1 Preliminary

Shipment **View Outgoing Nota Fiscal**

Tax Document No	Series ID	Series No	Source Ref Type
1180			Shipment
Source Reference	Created Date	Voucher Date	
1264	2/25/2025	2/25/2025 [Calendar]	

Total Amounts

Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
1230.00	133.55	1363.55	BRL

GENERAL LINES

Sender	Receiver
Sender Type, Sender ID, Sender Description	Receiver Type, Receiver ID, Receiver Description

Outgoing Nota Fiscal is created in the “Initiated” state while the connected CO Invoice or Outgoing Tax Document in “Preliminary” state and the associated CO is in “Closed” state.

Outgoing NF Status	Customer Invoice / Outgoing Tax Document Status	CO Status
Initiated	Preliminary	Closed

Generate and Send NF-e XML File

Once the Outgoing Nota Fiscal object is created it's automatically set to the status of "Initiated" and the option "Send Nota Fiscal" is enabled. Use this command **Send Nota Fiscal** to generate the NF-e XML and send to the third-party system integrator to communicate with the Brazilian Tax Authority for approval.

Outgoing Nota Fiscal - 010000080138

Q Search

»

Send Nota Fiscal Outgoing Tax Document

Document Type
Goods Nota Fiscal

Sender				Receiver	
Site	Site Name	Site	Site Name	Site	Site Name
SP01	Site SP01	RJ01			

...

Amounts

Charge Amounts

LINES ADDRESS GENERAL NF-E INFORMATION

Lines

Line ID	Quantity	Brazil Unit Price	Price	Net Amount	Net Amount In Accounting Currency	Tax Amount	Tax Amount In Accounting Currency	Accounting Amount	Tax Code	Tax Calculation
1	5	6,26	5,00	25,00	25,00	6,30	6,30	31,30		

Once the Outgoing Nota Fiscal is sent to the third-party system integrator, Outgoing Nota Fiscal status is automatically set to "Sent Request".

Outgoing Nota Fiscal - 010000080138

Q Search

»

Outgoing Tax Document Sent Request

Document Type
Goods Nota Fiscal

Sender		Receiver	
Site	Site Name	Site	Site Name
SP01	Site SP01	RJ01	Site RJ01

Site	Nota Fiscal Series	Nota Fiscal No	Entry Date
SP01	010	000080138	09/01/2025

Issue Date	Object Type	Object Reference	Object Reference Status
13/01/2025	Outgoing Tax Document	206	Preliminary

Currency Code	Currency Rate
BRL	1

Note

-When the *Outgoing Nota Fiscal* is set to the status of “Initiated” and “Sent Request”, the IFS standard command on CO preliminary invoice “Print Invoice” is disabled.

14.9.2 OUTGOING NF AUTOMATICALLY CREATED

When the Company parameter, “Manually Process Nota Fiscal” is disabled, the Outgoing Nota Fiscal Object is automatically created in the Customer Order Invoice and Outgoing Tax Document processes. Once the Outgoing Nota Fiscal Object is created, also the NFe XML is automatically generated based on the Outgoing NF object and send to the third party system integrator to communicate with the Brazilian Tax Authority.

Since in this scenario, both the Nota Fiscal Object and the NFe XML are automatically generated and sent to the Tax Authority for Approval, *Outgoing Nota Fiscal* is created in “Sent Request” state. The connected CO Invoice or Outgoing Tax Document is in “Preliminary” state and the associated CO is in “Closed” state.

Outgoing NF Status	Customer Invoice / Outgoing Tax Document Status	CO Status
Sent Request	Preliminary	Closed

Outgoing Nota Fiscal - 010000080138

Sent Request

» ▼

✎ 🔔 ▼
Outgoing Tax Document
♥

Document Type

Goods Nota Fiscal

Sender		Receiver	
Site	Site Name	Site	Site Name
SP01	Site SP01	RJ01	Site RJ01

Site	Nota Fiscal Series	Nota Fiscal No	Entry Date
SP01	010	000080138	09/01/2025
Issue Date	Object Type	Object Reference	Object Reference Status
13/01/2025	Outgoing Tax Document	206	Preliminary
Currency Code	Currency Rate		
BRL	1		
Nota Fiscal Text			
Fiscal Document Model	Payment Terms	Business Transaction ID	
55		100	

14.9.3 GENERATION AND ASSIGNING A “NF-E KEY” TO NF-E XML

Every NF-e XML generated is assigned a unique identification number as the “NF-e Key” following a logic defined by the authorities. The identification number is saved in the **Outgoing Nota Fiscal/ NF-e Information** tab, field “NF-e Key”. With this key every individual Nota Fiscal can be identified, and it’s also used to match the SEFAZ response to the right IFS Nota Fiscal.

The 44-character NF-e Key is composed according to the description in the below table:

Data item	Description	Number of characters
cUF	State Code of Issuer	2
AAMM	Year and Month from Issuing Date of Nota Fiscal	4
CNPJ	CNPJ registration of Issuer	14
Mod	Nota Fiscal model from Nota Fiscal	2
Serie	Nota Fiscal Series from Nota Fiscal	3 (left zeros are used if series is less than 3 positions)
nNF	Nota Fiscal Number from Nota Fiscal	9 (left zeros are used if series is less than 9 positions)
tpEmis	Emission Type from Nota Fiscal (=1)	1
cNF	IFS Invoice No	8 (left zeros are used if series is less than 8 positions)
cDV	Check digit (calculation logic provided by the tax authority)	1

The date in the field “Issue Date” is automatically set when the user selects the command **Send Nota Fiscal**. In case the Nota Fiscal is not authorized by the tax authority, the user needs to do some adjustments and send it again. The new “Issue Date” will then overwrite the previous one at the time the new NF-e XML is created.

Outgoing Nota Fiscal - 010000080133

Q Search

Goods Nota Fiscal

Sender		Receiver
Company	Company Name	Customer
STDBRAZIL	STDBRAZIL - PLEASE DON'T CHANGE T...	BR DOMESTIC CUST

Site	Nota Fiscal Series	Nota Fiscal No
SP01	010	00080133
Issue Date	Object Type	Object Reference
06/01/2025	Customer Order Invoice	010BSP0155000080133
Currency Code	Currency Rate	
BRL	1	
Nota Fiscal Text		
Fiscal Document Model	Payment Terms	Business Transaction ID
55	20	100

Amounts		
Gross Amount	Net Amount	Tax Amount
1474,84	1000,00	474,84

Charge Amounts

LINES ADDRESS GENERAL **NF-E INFORMATION** CC-E INFORMATION

Nota Fiscal Response		
NF-e Key	NF-e Protocol No	NF-e Approval Date
35250104106230000190550100000801331000002327	135250000114302	06/01/2025
Return Message		
Autorizado o uso da NF-e		

14.9.4 GENERATION OF NF-E XML

In this process IFS Cloud will produce an IFS style XML file which is generated to integrate with a 3rd party solution provider. The 3rd party service provider will convert the IFS style XML file into the official NF-e XML layout and can also add a digital signature to the file. The 3rd party solution provider will communicate the file to the Brazilian Tax Authority (SEFAZ).

```

<NFe xmlns="http://www.portalfiscal.inf.br/nfe" xmlns:xsi="http://www.w3.org/200
- <infNFe Id="35201115257504000105650090000100161002104318" versao="4">
  - <ide>
    <cUF>35</cUF>
    <cNF>00210431</cNF>
    <natOp>Vendas</natOp>
    <mod>65</mod>
    <serie>009</serie>
    <nNF>000010016</nNF>
    <dhEmit>2020-11-12T08:24:19+00:00</dhEmit>
    <dhSaiEnt>2020-11-12T08:24:19+00:00</dhSaiEnt>
    <tpNF>1</tpNF>
    <idDest>2</idDest>
    <cMunFG>7107</cMunFG>
    <tpImp>1</tpImp>
    <tpEmit>1</tpEmit>
    <cDV>8</cDV>
    <tpAmb>2</tpAmb>
    <finNFe>1</finNFe>
    <indFinal>0</indFinal>
    <indPres>2</indPres>
    <procEmit>0</procEmit>
    <verProc>4</verProc>
  </ide>
  - <emit>
    <CNPJ>15257504000105</CNPJ>
    <xNome>Brazilian Company System Test</xNome>
    - <enderEmit>
      <xLgr>Caljunto Nova</xLgr>
      <nro>10</nro>
      <xBairro>Bairro</xBairro>
      <cMun>7107</cMun>
      <xMun>SAO</xMun>
      <UF>SP</UF>
      <CEP>14278</CEP>
      <cPais>1058</cPais>
      <xPais>BRAZIL</xPais>
    </enderEmit>
    <IE>123456</IE>
    <CRT>3</CRT>
  </emit>
  - <dest>
    <CNPJ>98741254112145</CNPJ>
    <xNome>Brazilian Customer 1</xNome>
    - <enderDest>
      <xLgr>Rio Grande</xLgr>
      <nro>8</nro>
      <xBairro>RIO</xBairro>
      <cMun>1578</cMun>
      <xMun>Rio de Janeiro</xMun>
      <UF>RJ</UF>
      <CEP>14254</CEP>
      <cPais>1058</cPais>
      <xPais>BRAZIL</xPais>
      <fone>023144445</fone>
    </enderDest>
    <indIEDest>2</indIEDest>
    <IE/>
    <email>john.smith@ifsworld.com</email>
  </dest>
  - <det nItem="1">
    - <prod>
      <cProd>181</cProd>
      <cEAN>9300617000020</cEAN>
      <xProd>Garage door handle, Belucci design</xProd>
      <NCM>74081100</NCM>
    </prod>
  </det>
</infNFe>

```

Once the Outgoing Nota Fiscal is created and set to the initiated status, connected CO Invoice couldn't be processed alone. Connected Outgoing Nota Fiscal should 1st process and the further processing of CO Invoice is dependent on the Outgoing NF status which describes in the chapters below.

14.9.5 OUTGOING NF APPROVED

Once the Outgoing Nota Fiscal is Approved, connected CO Invoice will be automatically Approved.

Out Going NF Status	CO Invoice Status	CO Status
Approved	Approved	Closed

14.9.5.1 Receive Response File

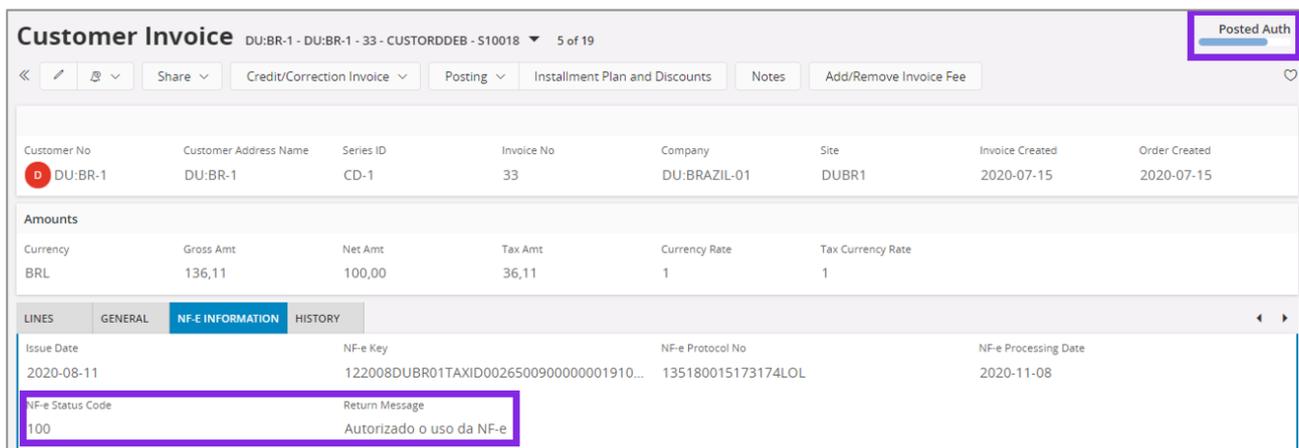
The Brazilian tax authority SEFAZ will in real time validate the received NF-e XML file and send back a response XML which must be received by IFS prior to the physical release of goods.

Similar to the sending of XML process, 3rd party service provider will receive the response file from SEFAZ first and send the response information to IFS in the IFS style XML layout.

Once the IFS style XML response is received from the 3rd party service provider, IFS reads the file and recognize the correct Nota Fiscal by validating the “NF-e Key”.

Then the **NF-e Information** tab will be updated with the values from xml file.

SEFAZ Status Code “100” indicates the response file is approved and these invoices are automatically printed and set to status “PostedAuth”.



The screenshot shows a 'Customer Invoice' interface. At the top right, a 'Posted Auth' status is indicated. The main area displays invoice details: Customer No (DU:BR-1), Customer Address Name (DU:BR-1), Series ID (CD-1), Invoice No (33), Company (DU:BRAZIL-01), Site (DUBR1), Invoice Created (2020-07-15), and Order Created (2020-07-15). Below this is an 'Amounts' section with columns for Currency (BRL), Gross Amt (136,11), Net Amt (100,00), Tax Amt (36,11), Currency Rate (1), and Tax Currency Rate (1). The 'LINES' section is active, showing 'NF-E INFORMATION' with fields for Issue Date (2020-08-11), NF-e Key (122008DUBR01TAXID002650090000001910...), NF-e Protocol No (135180015173174LOL), and NF-e Processing Date (2020-11-08). A highlighted box shows 'NF-e Status Code' as 100 and 'Return Message' as 'Autorizado o uso da NF-e'.

```

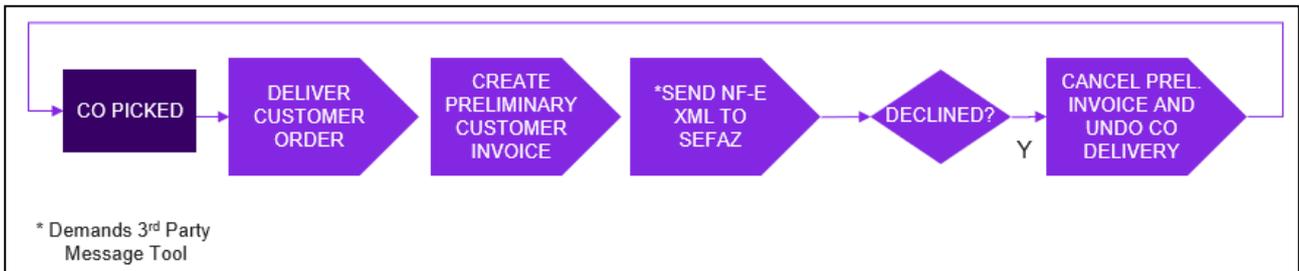
<?xml version="1.0" encoding="UTF-8"?>
- <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  - <SOAP-ENV:Header>
    - <fndcn:Message xmlns:fndcn="urn:ifsworld-com:schemas:fndcn" SOAP-ENV:mustUnderstand="1">
      <fndcn:Type>CONNECT</fndcn:Type>
      <fndcn:Function>NFE_RESPONSE</fndcn:Function>
      <fndcn:Sender/>
      <fndcn:Receiver/>
      <fndcn:SentAt/>
      <fndcn:ExpiresAt/>
    </fndcn:Message>
  </SOAP-ENV:Header>
  - <SOAP-ENV:Body>
    - <NFE_RESPONSE xmlns="urn:ifsworld-com:schemas:receive_nfe_response_service_receive_nfe_response_request">
      <FNE_STATE_ID>35190804106230000190550090000058191000006895</FNE_STATE_ID>
      <FNE_ENVIRONMENT>2</FNE_ENVIRONMENT>
      <FNE_STATE_DATE>15/01/2019</FNE_STATE_DATE>
      <FNE_STATE_USE>135190000261186</FNE_STATE_USE>
      <FNE_SEFAZ_STATUS_CODE>100</FNE_SEFAZ_STATUS_CODE>
      <FNE_RETURN_MESSAGE>Autorizado o Uso da NF-e</FNE_RETURN_MESSAGE>
    </NFE_RESPONSE>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

SEFAZ responses with any other status codes will not be further processed (neither automatically nor through manual commands) and the Customer Invoice will remain in status “Preliminary”. Handling all these scenarios are described in chapters below.

14.9.6 OUTGOING NF DECLINED

Outgoing Nota Fiscal could be Declined by the Brazilian tax authority. This could happen when the issuer or recipient has some pending issue and irregularities with the Brazilian Government, i.e. may not perform business transactions within the state.



When a Nota Fiscal is declined it cannot be voided or cancelled and the Nota Fiscal number cannot be used again.

Outgoing Nota Fiscal - 00910000029 1 of 1 Declined

Customer Invoice | Customer Invoice Postings Analysis

Sender		Receiver	
Company	DU-BR	Customer	DU-BRCUST-1
Company Name	DU-BR Company	Customer Name	DU-BRCUST-1

Nota Fiscal Series	Nota Fiscal No	Invoice Date
009	100000029	7/17/2022
Object Type	Object Reference	Object Reference Status
Customer Order Invoice		Cancelled
Business Transaction Id	Payment Terms	Currency Code

Once IFS Cloud received the Declined response message from the 3rd part integrator, Outgoing Nota Fiscal is set to the status “Declined”.

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date		NF-e Key	NF-e Protocol No
7/17/2022		35220712345678901234650091000002910020850...	135180015173174LOL
NF-e Processing Date		NF-e Status Code	Return Message
1/10/2022		110	Denegado o uso da NF-e

NF-e Status Code “110” and “303” are examples of response codes meaning the Nota Fiscal is declined.

Subsequently, the connected CO Invoice get “Cancelled”.

Customer Invoice DU-BRCUST-1 - DU-BRCUST-1 - 208503 - CUSTORDDEB - V10260 1 of 1 Cancelled

Share Posting Installment Plan and Discounts Notes [View Electronic Nota Fiscal](#)

Customer No	Customer Address Name	Series ID	Invoice No	Company	Site
D DU-BRCUST-1	DU-BRCUST-1	PR	208503	DU-BR	DUBR1
Invoice Created	Order Created				
7/17/2022	7/17/2022				

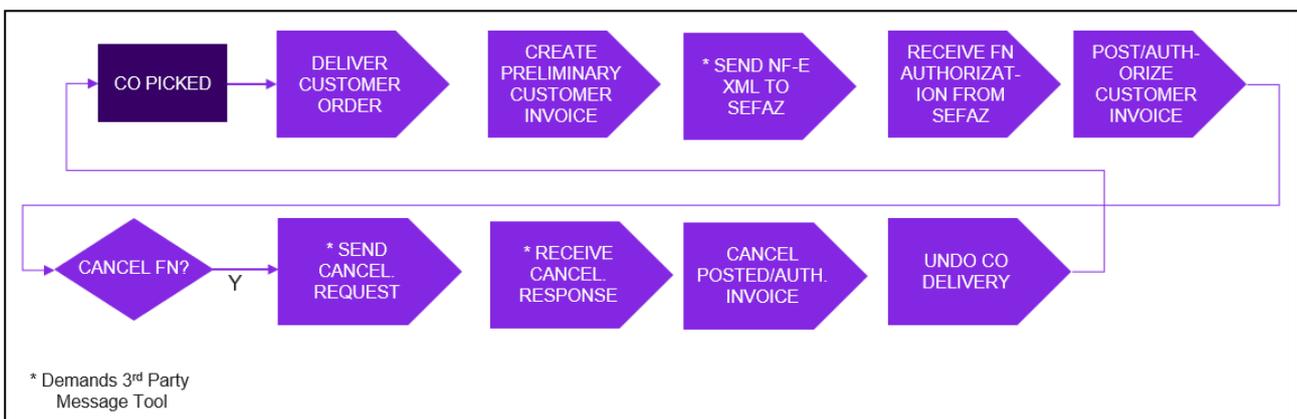
Amounts					
Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	176.13	100.00	76.13	1	1

Outgoing NF Status	CO Invoice Status	CO Status
Declined	Cancelled	Picked

In this scenario, it's always the "Preliminary" CO Invoice which is get Cancelled and no reversal voucher will be created. Once the CO Invoice is cancelled, connected CO is automatically set to the status of "Picked" (IFS Core functionality).

14.9.7 CANCELLATION REQUEST SENT TO THE APPROVED OUTGOING NF

The general rule stated by Brazilian government says that companies are allowed to Cancel Authorized Nota Fiscals up until 24 hours from the issue date and time. There are some scenarios that still allow cancellation even after 24 hours (can be connected to penalty fee or audit).



Outgoing NF Status	CO Invoice Status	CO Status
Cancelation Request Sent	Authorized	Closed

The **Send Cancel Request** command will generate an outgoing xml file representing the request to cancel the referenced Nota Fiscal number.

```

1 <infEvento>
2   <xServ>CANCELAMENTO</xServ>
3   <chNFe>35220177214253000192650090000010311002063978</chNFe>
4   <tpAmb>2</tpAmb>
5   <xJust>Pedido de Cancelamento de Nota Fiscal Eletronica</xJust>
6 </infEvento>

```

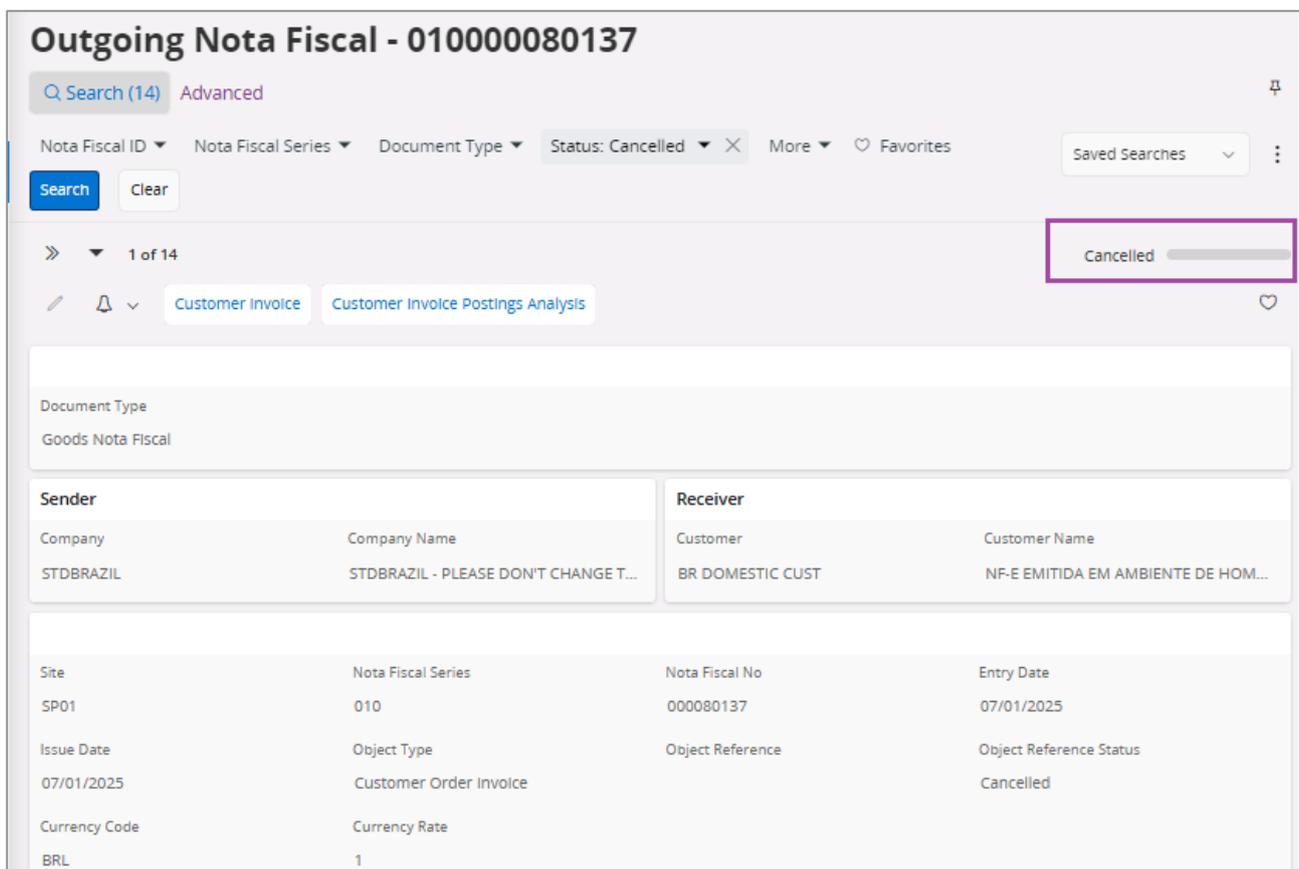
In the above scenario, Outgoing Nota Fiscal status is set to the “Cancellation Request Sent” while connected CO is still Authorized and CO status is Closed.

14.9.8 CANCEL APPROVED FOR OUTGOING NOTA FISCAL

Once the Outgoing Nota Fiscal cancellation request get accepted by the Brazilian Tax Authority, cancelled response message will receive to the IFS Application via a 3rd party integrator and the Outgoing Nota Fiscal is set to the status of “Cancelled and the connected CO Invoice too will get automatically Cancelled.

Out Going NF Status	CO Invoice Status	CO Status
Cancelled	Cancelled (Cancelled PostedAuth Invoice)	Picked

In the above scenario, it’s always the PostedAuth CO Invoice getting cancelled, hence a reversal “K” Voucher is created reversing the original CO Invoice postings.



Outgoing Nota Fiscal - 010000080137

Search (14) Advanced

Nota Fiscal ID | Nota Fiscal Series | Document Type | Status: Cancelled | More | Favorites | Saved Searches

Search | Clear

1 of 14

Customer Invoice | Customer Invoice Postings Analysis

Cancelled

Document Type: Goods Nota Fiscal

Sender		Receiver	
Company	Company Name	Customer	Customer Name
STDBRAZIL	STDBRAZIL - PLEASE DON'T CHANGET...	BR DOMESTIC CUST	NF-E EMITIDA EM AMBIENTE DE HOM...

Site	Nota Fiscal Series	Nota Fiscal No	Entry Date
SP01	010	000080137	07/01/2025
Issue Date	Object Type	Object Reference	Object Reference Status
07/01/2025	Customer Order Invoice		Cancelled
Currency Code	Currency Rate		
BRL	1		

Amounts		
Gross Amount	Net Amount	Tax Amount
176.13	100.00	76.13

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date	NF-e Key	NF-e Protocol No	
7/5/2022	352207123456789012346500910000001610020696...	135180015173174LOL	
NF-e Processing Date	NF-e Status Code	Return Message	
6/20/2022	135	Autorizado o uso da NF-e	

After receiving a cancel request approval xml file from the tax authority, the NF-e status code will be updated to "135 - Cancelamento Homologado" and the Customer Invoice status will be changed to "Cancelled".

Customer Invoice								Cancelled
Customer No	Customer Address Name	Series ID	Invoice No	Company	Site	Invoice Created	Order Created	
SARKBRCUST	SARK Brazil Customer	CD	970000034	SARKBRCOM	SARKB	2022-01-12	2022-01-12	

Amounts					
Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	84,21	80,00	4,21	1	1

LINES	GENERAL	NF-E INFORMATION	HISTORY
Issue Date	NF-e Key	NF-e Protocol No	NF-e Processing Date
2022-01-12	352201772142530001926500900001031100...	135180015173174UB	2019-01-15
NF-e Status Code	Return Message		
135	Cancelamento Homologado		

The referenced Customer Order will change status back to "Picked".

Customer Order						Picked
Order No	Customer	Site	Order Type	Wanted Delivery Date/Time		
P10864	SARKBRCUST - SARK Brazil Customer	SARKB	NO	1/12/22, 12:00 AM		

Order Amounts					
Total Net Amount/Base	Total Contribution Margin/Base	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
80.00 BRL	20.00 BRL	25.00	80.00 BRL	4.21 BRL	84.21 BRL

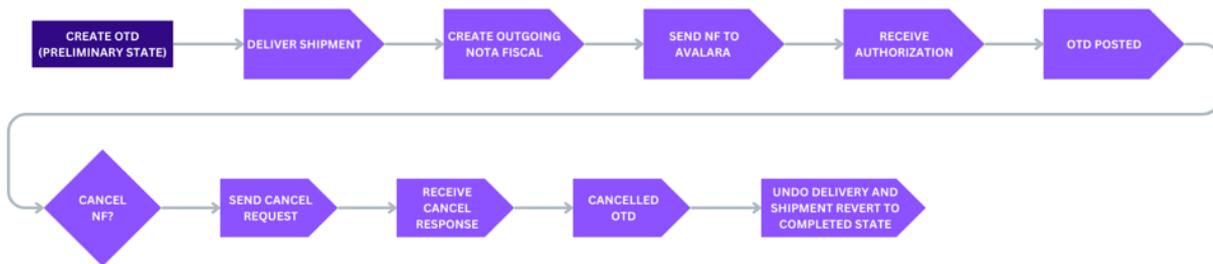
LINES	RENTAL LINES	ORDER DETAILS	CHARGES	INVOLVED PARTIES							
Line No	Del No	Sales Part No	Sales Part Description	Sales Qty	Sales UoM	Price/Curr	Price Incl Tax/Curr	Price UoM	Total Calc Sales Price/Curr	Discount Amount/Curr	Total Order Lin Discount (%)
1	1	001	Outer Cover	1	pcs	80.00	84.21	pcs	80.00	0.00	

If a Payment Proposal, Mixed Payment, RMA, Credit Invoice or Correction Invoice is attached to any "PostedAuth" Invoice/Approved Nota Fiscal, an error will create to stop the cancellation process when receiving an approved cancellation response from SEFAZ.

The K voucher is created and revert the original voucher postings.

14.9.9 CANCELLATION REQUEST SENT TO THE APPROVED 2ND (DELIVERY) OUTGOING NF

There are some specific cancellation handling for the scenarios which requires two Nota Fiscals for the same transaction, typically the Sales for Future Delivery and the Triangular Sales scenarios, where the 2nd Nota Fiscal is created from the Outgoing Tax Document.



Outgoing NF Status	Outgoing Tax Document Status	CO Status
Cancelled	Cancelled	Picked

When cancelling the 2nd Nota Fiscal there are a few validations to be considered.

For Sales for Future Delivery (using Stage Billing), the 1st NF (Invoice NF) cannot be cancelled if an Outgoing Tax Document (OTD) exists. The OTD must be cancelled before proceeding with NF cancellation. If a 2nd NF (Delivery NF) exists, the system restricts the cancellation of the 1st NF and requires the cancellation of the 2nd NF first.

For Triangular Sales, the 1st NF (Invoice NF) cannot be cancelled if the 2nd NF (Delivery NF) exists. User must first send a cancellation request for the 2nd NF, which will trigger the automatic cancellation of the OTD along with 2nd and 1st cancellations. These validations ensure proper sequence, and compliance, and prevent inconsistencies in tax reporting.

Outgoing Nota Fiscal - 007000100144

Search (19) Advanced

Status ▾ Nota Fiscal ID ▾ Nota Fiscal Series ▾ Nota Fiscal No ▾ Object Type ▾ Business Transaction ID ▾ Nota Fiscal Number ▾ More ▾ Favorites Search

1 of 19

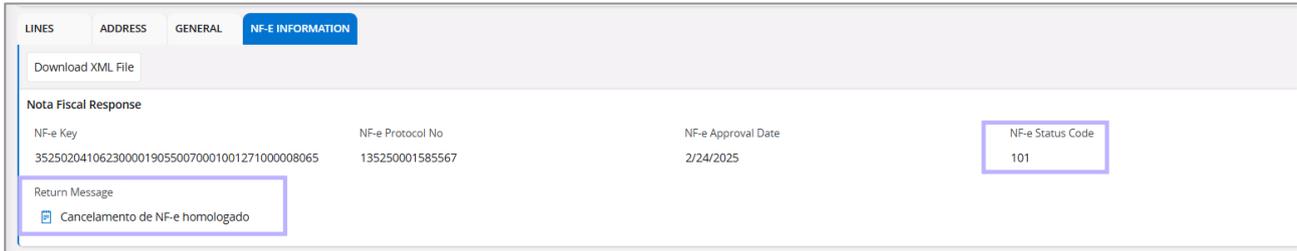
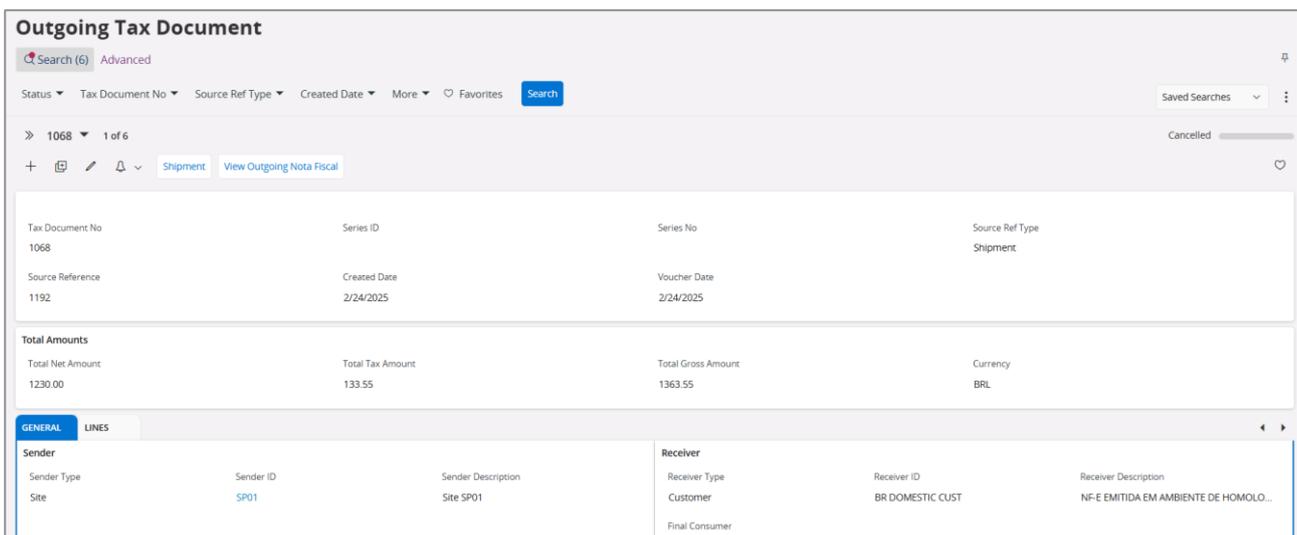
Outgoing Tax Document Outgoing Tax Document Postings Analysis

Document Type
Goods Nota Fiscal

Sender		Receiver	
Site	Site Name	Site	Site Name
SP01	Site SP01	MG01	Site MG01

Site	Nota Fiscal Series	Nota Fiscal No	Entry Date
SP01	007	000100144	2/25/2025
Issue Date	Object Type	Object Reference	Object Reference Status
2/25/2025	Outgoing Tax Document	1164	Posted

After receiving a cancel request approval NF file from the tax authority, the NF-e status code will be updated to “101 - Cancelamento Homologado” and the Outgoing Tax Document status will be changed to “Cancelled”.

For both Sales for Future Delivery and Triangular Sales, the cancellation of a Nota Fiscal (NF) executes the reversal of all associated financial postings. Upon NF cancellation, the system automatically reverses M297 and M307 to ensure accurate tax and financial reconciliation.

14.9.10 RECEIVED Error response from the Brazilian Tax Authority

If a Brazilian tax authority recognized errors in the request file, they will send an Error responses via the 3rd party integrator. There could be 2 types of Errors as describes bellow,

-Receive an Error Response which could be rectified

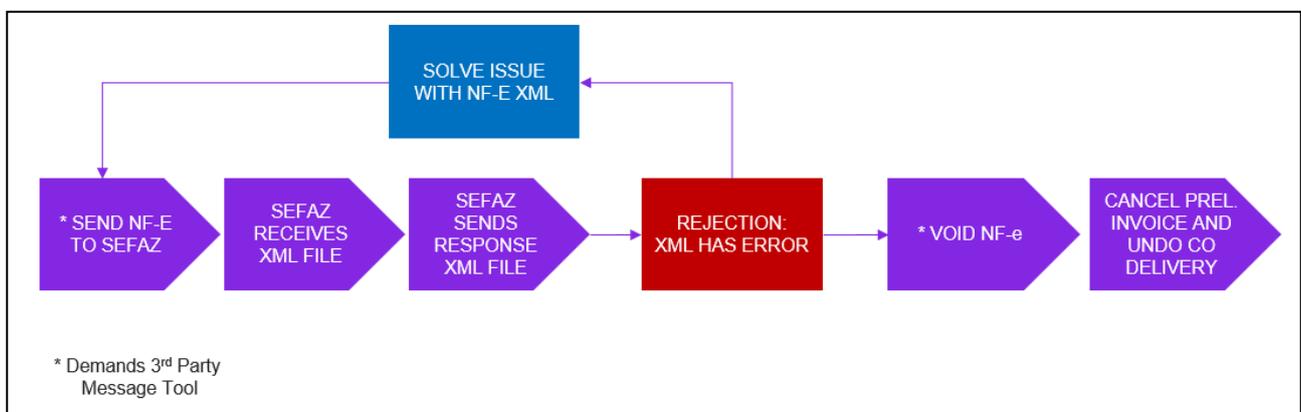
Outgoing NF Status	CO Invoice Status	CO Status
Error	Preliminary -Rectify the error and re-send the NFE (Use Same NFe No)	Closed

-Receive an Error Response which couldn't be rectified

Outgoing NF Status	CO Invoice Status	CO Status
Error	Cancelled (Preliminary Invoice)	

	a) Send Void Request from a Nota Fiscal. b) Approved Void Request- Cancelled the Preliminary state Invoice	a) Send Void request- Closed b) Approved Void Request- Picked
--	---------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------

When a Nota Fiscal is rejected due to some error in the schema of xml file or some inconsistent information, the Nota Fiscal number can be used again. The companies can fix the issue found in such Nota Fiscal and request authorization again. If the problem cannot be fixed, the Nota Fiscal must be **Voided**. A void request must be sent and approved by the Tax Authority. After the tax authority approved the void request, the Nota Fiscal number cannot be used again.



When the return message from the Tax Authority is “Error” the **command Send Void Request** will be available in the **Outgoing Nota Fiscal** page.

Outgoing Nota Fiscal - 010000080136

Q Search (24+) Advanced

Nota Fiscal ID ▾ Nota Fiscal Series ▾ Document Type ▾ Status: Error ▾ X More ▾ Favorites Saved Searches ▾

Search Clear

1 of 24+ Error

Send Nota Fiscal **Send Void Request** Customer Invoice Customer Invoice Postings Analysis

Document Type
Goods Nota Fiscal

Sender		Receiver	
Company	Company Name	Customer	Customer Name
STDBRAZIL	STDBRAZIL - PLEASE DON'T CHANGE T...	BR DOMESTIC CUST	NF-E EMITIDA EM AMBIENTE DE HOM...

Site	Nota Fiscal Series	Nota Fiscal No	Entry Date
SP01	010	000080136	06/01/2025
Issue Date	Object Type	Object Reference	Object Reference Status
06/01/2025	Customer Order Invoice	205014	Preliminary
Currency Code	Currency Rate		
BRL	1		
Nota Fiscal Text Trib aprox R\$ 379,52 Federal e R\$ 257,89 Estadual Fonte: IBPTValor total do ICMS relativo ao Fundo de Combate a Pobreza (FCP) para a UF de destino: R\$ 28,65Valor total...			
Fiscal Document Model	Payment Terms	Business Transaction ID	
55	20	100	

The **Send Void Request** command will generate an outgoing xml file representing the request to void the referenced Nota Fiscal number and the Outgoing Nota Fiscal is set to the status “*Sent Void Request*”.

Outgoing Nota Fiscal - 009100000028

1 of 1 **Sent Void Request**

Customer Invoice Customer Invoice Postings Analysis

Sender		Receiver	
Company	Company Name	Customer	Customer Name
DU-BR	DU-BR Company	DU-BRCUST-1	DU-BRCUST-1

After receiving a void request approval xml file from the tax authority, the NF-e status code will be updated to “102 - Inutilização de número homologado” and the Outgoing NF status is set to “*Voided*”.

g Nota Fiscal Company DU-BR Company

Outgoing Nota Fiscal - 009100000028 1 of 1

Voided

Customer Invoice
Customer Invoice Postings Analysis

Sender	Receiver
Company DU-BR	Customer DU-BRCUST-1
Company Name DU-BR Company	Customer Name DU-BRCUST-1

Amounts

Gross Amount	Net Amount	Tax Amount
176.13	100.00	76.13

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date			NF-e Key
7/17/2022			35220712345678901234650091000002810020850...
NF-e Processing Date			NF-e Status Code
6/20/2022			102
			NF-e Protocol No
			135180015173174LOL
			Return Message
			Autorizado o uso da NF-e

The connected Customer Order Invoice status will be changed to “Cancelled”.

Customer Invoice DU-BRCUST-1 - DU-BRCUST-1 - 208502 - CUSTORDDEB - V10260 1 of 1

Cancelled

Share
Posting
Installation Plan and Discounts
Notes
View Electronic Nota Fiscal

Customer No	Customer Address Name	Series ID	Invoice No	Company	Site
D DU-BRCUST-1	DU-BRCUST-1	PR	208502	DU-BR	DUBR1
Invoice Created	Order Created				
7/17/2022	7/17/2022				

Amounts

Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	176.13	100.00	76.13	1	1

LINES	INDICATORS
GENERAL	
NF-E INFORMATION	
HISTORY	
Invoice Type	Price Adjustment
CUSTOMORDER - Customer Order Invoice - Debit	No

The referenced Customer Order will change status back to “Picked”.

Customer Order V10260 1 of 1 Picked

← + ✎ 📄 🔔 Share Operations Freight Invoice Related Pages ⋮ 📌

Order No	Customer	Site	Order Type	Wanted Delivery Date/Ti...
V10260	D DU-BRCUST-1 - DU-BRCUST-1	DUBR1	NO	7/18/22, 12:00 AM

Order Amounts

Total Net Amount/Base	Total Contribution Margi...	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
100.00 BRL	0.00 BRL	0.00	100.00 BRL	76.13 BRL	176.13 BRL

LINES RENTAL LINES ORDER DETAILS CHARGES INVOLVED PARTIES ◀ ▶

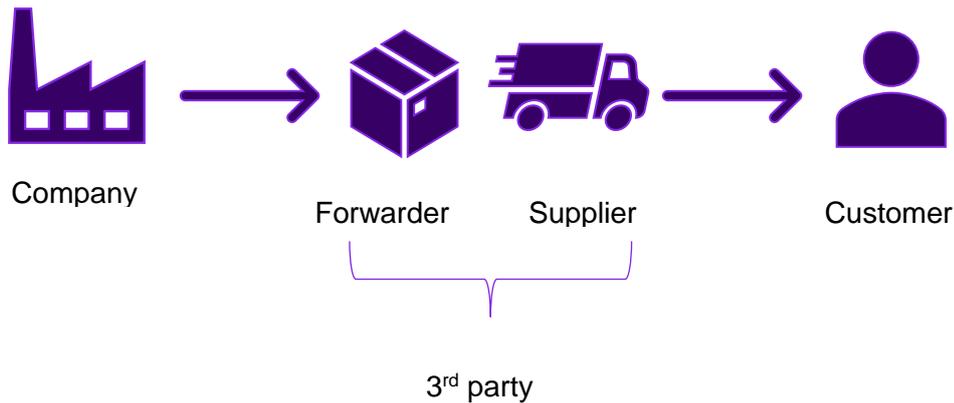
⚙️ 🔍 📄 + ✎ 24 📅

✓	✎	Line No	Del No	Sales Part No	Sales Part Description	Sales Qty	Sales UoM	Confirmed	Price
---	---	---------	--------	---------------	------------------------	-----------	-----------	-----------	-------

14.10 Handling Of Transport Related Attributes In Outgoing Nota Fiscal For Deliveries Handled By 3rd Party Forwarders/Suppliers

In here we consider about outgoing Nota Fiscal behavior if the Transportation process happen with 3rd party (Forwarder). Mainly Brazilian Tax Authority SEFAZ request details of Transportation including Forwarder, Delivery info, weights and Volume etc.

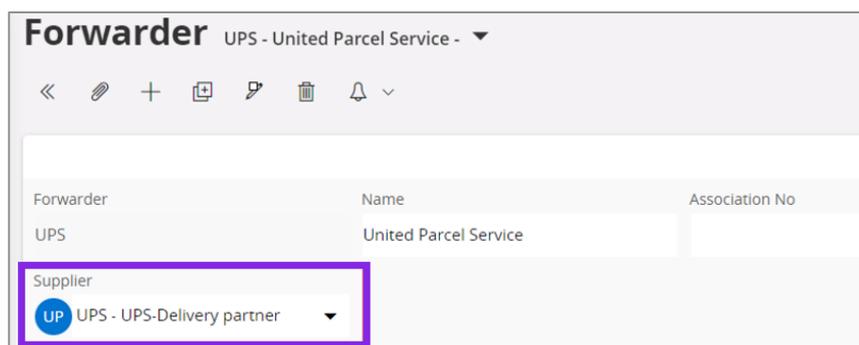
14.10.1 PROCESS OVERVIEW



14.10.2 BASIC DATA

From the functional point of view, forwarder is not the actual transport service provider and most of the time they will get a service supplier to arrange the delivery. So basically, forwarder coordinate the shipment with their customer and service supplier.

Connect a Supplier to the Forwarder in the **Application Base Setup/Enterprise/Forwarder** page. Brazilian tax details can be defined in the **Application Base Setup/Enterprise Supplier** page under **Address/Document Tax Information** tab.



The screenshot shows the 'Forwarder' configuration page in IFS. The title is 'Forwarder' with a dropdown menu set to 'UPS - United Parcel Service'. Below the title are several icons for navigation and actions. The main content area is a table with the following data:

Forwarder	Name	Association No
UPS	United Parcel Service	

Below the table, there is a 'Supplier' section with a dropdown menu. The selected option is 'UPS - UPS-Delivery partner', which is highlighted with a red box in the original image.

Supplier	Name		
UPS	UPS-Delivery partner		
Address ID: UPS AD1 ▼			
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			
Supplier's Own Address ID		Supplier Name	
<input type="text"/>		<input type="text"/>	
GENERAL ADDRESS INFORMATION		DELIVERY TAX INFORMATION	DOCUMENT TAX INFORMATION
<input type="text"/>			
▼	(1) ✓	Company	Tax ID Type
^	☑	RCCOM2	Tax ID Number
ADDRESS SPECIFIC TAX ID NUMBERS			
<input type="text"/> <input type="text"/> <input type="text"/>			
✓		Tax ID Type	Tax ID Number
<input type="checkbox"/>	:	CNPJ	19940987654321
<input type="checkbox"/>	:	STATE_REG	20220804

14.10.3 TRANSPORTATION DETAILS IN NFe

Users need to enter below new attributes manually in outgoing nota Fiscal just before sending it to Brazilian tax authority SEFAZ.

Vehicle & Package details :

Attributes
Vehicle License Plate
Vehicle Country
Vehicle State
Volume Numbers
Volume Labels

Below attributes are fetched from the customer invoices or outgoing tax document according to the below mentioned criteria.

Attributes	Data entry method in customer order	Data entry method in Shipment order
------------	-------------------------------------	-------------------------------------

Forwarder	Fetches from Customer invoice	Fetch from Shipment/General/Delivery information/Forwarder
Forwarder address	retrieve from Forwarder basic data (default document address) & possible to change via LOV.	
Supplier	Fetches forwarder connected Supplier.	
Supplier address	retrieve supplier's default document address, possible to change via LOV.	
CNPJ	retrieve from document tax information from supplier under connected company.	
State Reg	retrieve from document tax information from supplier under connected company.	
Net weight	Total net weight of all lines from master part data.	Fetches from Shipment/general/weight/net weight
Gross Weight	If Outgoing nota Fiscal going to make via shipment, it can fetch from the Shipment. If else values fetched from reserved parts data	Fetches from Shipment/general/weight/Operative gross weight
Volume	Total volume of all lines from master part data	Fetches from Shipment/general/Volume/operative volume
Delivery Terms	Fetch directly from Customer invoice	Fetches from Shipment
Ship via code	Fetch directly from Customer invoice	Fetches from Shipment

The details of 3rd party, coming to the Outgoing Nota Fiscal under the **address** tab.

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Sender			
Document Address ID	Delivery Address ID	CNPJ	State Registration
ADCOM2	ADCOM2	12345678901234	1111111
Receiver			
Document Address ID	Delivery Address ID	CNPJ	State Registration
CUSAD1	CUSAD1	10010010010012	100100
Forwarder			
Forwarder	Forwarder Document Address	Supplier	Supplier Document Address
DE DE - DHL	11	DHL	SUP AD1
CNPJ	State Registration		
19940123456789	00040008		

Other details are coming under **General** tab as follow.

LINES		ADDRESS		GENERAL		NF-E INFORMATION	
Delivery Information							
Ship Via	Delivery Terms	Vehicle License Plate	Vehicle Country				
test	TEST	VEH1234	BR - BRAZIL				
Vehicle State							
SP							
Weight				Volume			
Net Weight	Gross Weight	Volume	Volume Numbers	Volume Labels			
10 kg	10 kg	10 m3	N11	V11			

14.10.4 TRANSPORTATION DETAILS IN NF- XML FILE

According to format of NFe file, 3rd party and other transportation details are passed to xml under “transp” element.

```

<transp>
  <modFrete>9</modFrete>
  <transporta>
    <CNPJ>13.339.532/0001-08</CNPJ>
    <xNome>IP - BRSU1</xNome>
    <IE> 65369841653658</IE>
    <xEnder>BRSA1,,-----BR</xEnder>
  </transporta>
  <veicTransp>
    <placa>123</placa>
    <UF>RS</UF>
  </veicTransp>
  <vol>
    <qVol>0</qVol>
    <esp>m3</esp>
    <marca>2</marca>
    <nVol>1</nVol>
    <pesoL>5</pesoL>
    <pesoB>5</pesoB>
  </vol>
</transp>

```

14.11 Enter Invoicing Plan/Project Transaction

Follow standard functionality to enter an Invoicing Plan/Project Transaction.

14.12 Create Project Invoice

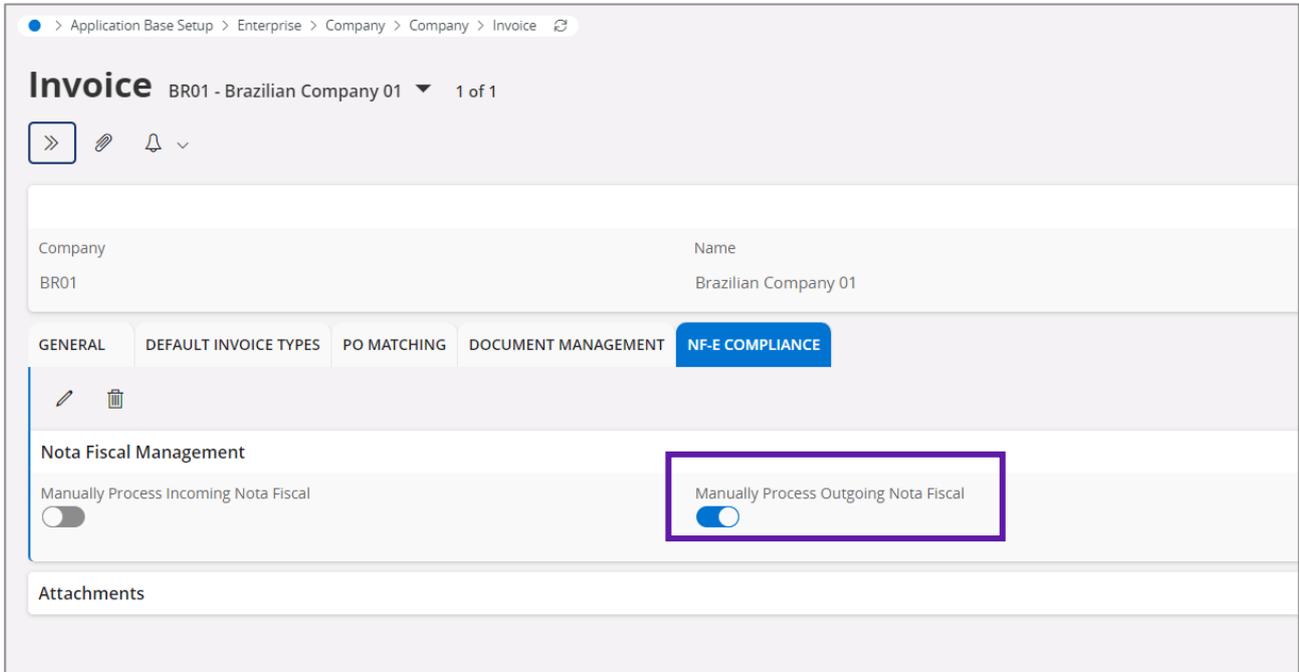
Create a preliminary Project Invoice.

Note

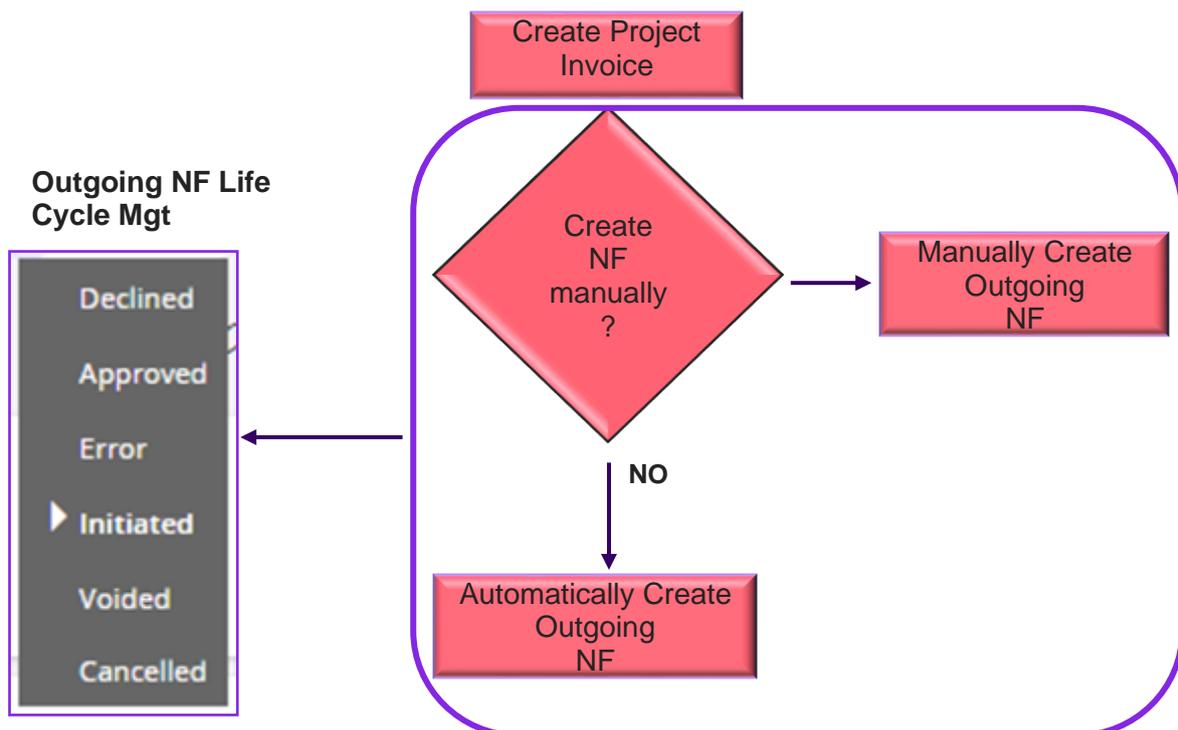
-When the Project Invoice created and is in “Preliminary” state, the IFS standard command on Project Preliminary Invoice “Send and Release Invoice”/“Release Invoice” is disabled.

14.13 Create Outgoing Nota Fiscal

Company level parameter, “*Manually Process Nota Fiscal*” determines whether the Outgoing Nota Fiscal is automatically created when creating the Project Invoice or manually created from the **Project Invoice** page.



Process Overview

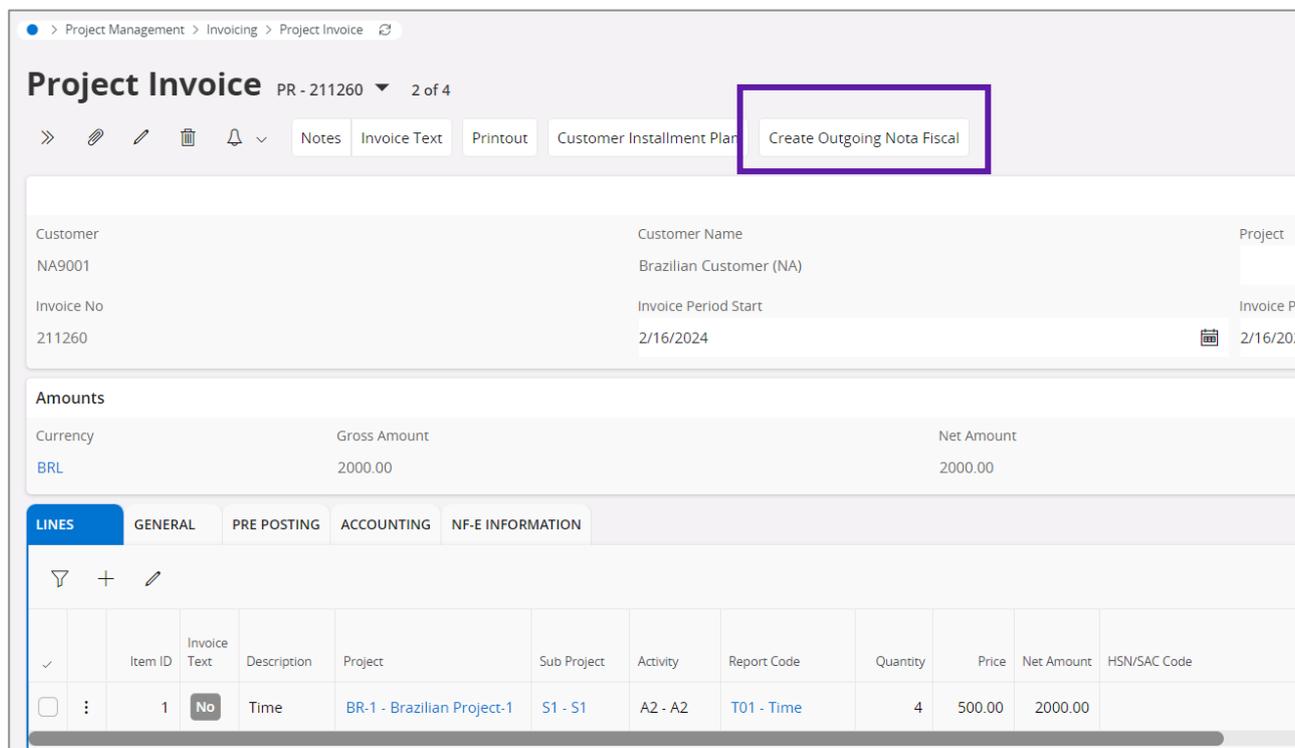


Below table shows, how this Company level parameter, “Manually Process Nota Fiscal” works with Project Invoice and the *Outgoing Nota Fiscal*.

Parameter, Manually Process Nota Fiscal	Outgoing Nota Fiscal object
Enabled (Outgoing NF is Manually processed)	First, Project Invoice is created and the Outgoing NF need to be manually created by using the command, Create Outgoing Nota Fiscal .
Disabled (Outgoing NF is Automatically processed)	When Project Invoice is created, the Outgoing NF object is automatically created.

14.13.1 OUTGOING NF MANUALLY CREATED

Company level parameter, “Manually Process Nota Fiscal” is enabled, then in the Project Invoicing flow, Outgoing Nota Fiscal need to be manually created. To facilitate this manual process, command **Create Outgoing Nota Fiscal** is enabled on *Project Invoice*.



The screenshot shows the 'Project Invoice' interface for PR - 211260. The 'Create Outgoing Nota Fiscal' button is highlighted with a purple box. The interface includes a breadcrumb trail, navigation icons, and tabs for 'Notes', 'Invoice Text', 'Printout', and 'Customer Installment Plan'. The main content area displays customer information (NA9001, Brazilian Customer (NA)), invoice details (211260, 2/16/2024), and amounts (Gross Amount: 2000.00, Net Amount: 2000.00). Below this, there are tabs for 'LINES', 'GENERAL', 'PRE POSTING', 'ACCOUNTING', and 'NF-E INFORMATION'. The 'LINES' tab is active, showing a table with columns for Item ID, Invoice Text, Description, Project, Sub Project, Activity, Report Code, Quantity, Price, Net Amount, and HSN/SAC Code. A single line is visible with Item ID 1, Invoice Text 'No', Description 'Time', Project 'BR-1 - Brazilian Project-1', Sub Project 'S1 - S1', Activity 'A2 - A2', Report Code 'T01 - Time', Quantity 4, Price 500.00, and Net Amount 2000.00.

Project Management > Invoicing > Project Invoice

Project Invoice

PR - 211260 1 of 1

Notes Invoice Text Printout Customer Installment Plan **View Outgoing Nota Fiscal**

Customer	Customer Name
NA9001	Brazilian Customer (NA)
Invoice No	Invoice Period Start
211260	2/16/2024

Amounts		
Currency	Gross Amount	Net Amount
BRL	2040.82	2000.00

LINES GENERAL PRE POSTING ACCOUNTING NF-E INFORMATION

Item ID	Invoice Text	Description	Project	Sub Project	Activity	Report Code	Quantity	Price	Net Amount
1	No	Time	BR-1 - Brazilian Project-1	S1 - S1	A2 - A2	T01 - Time	4	500.00	2000.00

Outgoing Nota Fiscal is created in “Initiated” state while the connected Project Invoice is in “Preliminary” state.

Outgoing NF Status	Project Invoice Status
Initiated	Preliminary

14.13.2 OUTGOING NF AUTOMATICALLY CREATED

When the Company parameter, “Manually Process Nota Fiscal” is disabled, the Outgoing Nota Fiscal Object is automatically created in the Project Invoicing flow.

14.14 Outgoing Nota Fiscal Life Cycle Management

14.14.1 OUTGOING NF APPROVED

Once the Outgoing Nota Fiscal is approved, Outgoing Nota Fiscal status will change to **Approved**, and **Send and Release Invoice/ Release Invoice** command on the Project Invoice will be enabled.

Outgoing Nota Fiscal - 010000080133

Q Search (24+) Advanced

Nota Fiscal ID ▾ Nota Fiscal Series ▾ Document Type ▾ Status: Approved ▾ X More ▾ Favorites Saved Searches ▾

Search Clear

» ▾ 1 of 24+ Approved

[Send Cancel Request](#) [Customer Invoice](#) [Customer Invoice Postings Analysis](#) [Correction Letter](#)

Document Type
Goods Nota Fiscal

Sender		Receiver	
Company	Company Name	Customer	Customer Name
STDBRAZIL	STDBRAZIL - PLEASE DON'T CHANGE T...	BR DOMESTIC CUST	NF-E EMITIDA EM AMBIENTE DE HOM...

Site	Nota Fiscal Series	Nota Fiscal No	Entry Date
SP01	010	000080133	06/01/2025
Issue Date	Object Type	Object Reference	Object Reference Status
06/01/2025	Customer Order Invoice	01085P0155000080133	Posted Auth
Currency Code	Currency Rate		
BRL	1		

Project Management > Invoicing > Project Invoice

Project Invoice PR - 211260 1 of 1

» [Notes](#) [Invoice Text](#) [Printout](#) Send and Release Invoice [Customer Installment Plan](#) [View Outgoing Nota Fiscal](#)

Customer	Customer Name	Project	Invoice Se
NA9001	Brazilian Customer (NA)		PR
Invoice No	Invoice Period Start	Invoice Period End	Notes
211260	2/16/2024	2/16/2024	No

Amounts			
Currency	Gross Amount	Net Amount	Tax Amount
BRL	2040.82	2000.00	40.82

LINES GENERAL PRE POSTING ACCOUNTING NF-E INFORMATION

🔍 + ✎

Users can send the Project Invoice of the approved Outgoing Nota Fiscal to the customer. Once the Project Invoice is sent, the status of the invoice will change to **PostedAuth**, and the Invoice No will be updated with the official document number.

Project Management > Invoicing > Project Invoice

Project Invoice

PJ - 0102NFES110000005 1 of 1

[Notes](#)
[Printout](#)
[Credit Entire Invoice](#)
[Create Correction Invoice](#)
[Customer Installment Plan](#)
[View Outgoing Nota Fiscal](#)

Customer NA9001	Customer Name Brazilian Customer (NA)	Project
Invoice No 0102NFES110000005	Invoice Period Start 2/27/2024	Invoice Period End 2/28/2024

Amounts			
Currency	Gross Amount	Net Amount	Tax Amount
BRL	3815.58	3600.00	215.58

LINES **GENERAL** PRE POSTING ACCOUNTING NFE INFORMATION

Invoice Information

Invoice Date 2/28/2024	Invoice Type PRJINV	Series Reference
Currency Rate 1	Our Reference	Customer Ref
Tax Currency Rate 1	Voucher Type	Voucher No
Correction Reason ID	Correction Reason	Correction Exist No
Currency BRL	Business Transaction ID 103 - Venda de Serviço	

14.14.2 OUTGOING NF CANCELLED

Once the Outgoing Nota Fiscal is canceled, Outgoing Nota Fiscal status will change to **Cancelled**, and **Cancel Invoice** command on the Project Invoice will be enabled.

Outgoing Nota Fiscal - 010000080137

Q Search (14) Advanced 🔍

Nota Fiscal ID ▾ Nota Fiscal Series ▾ Document Type ▾ Status: Cancelled ▾ X More ▾ Favorites Saved Searches ▾ ⋮

Search Clear

» ▾ 1 of 14 Cancelled

[Customer Invoice](#) [Customer Invoice Postings Analysis](#) ♥

Document Type
Goods Nota Fiscal

Sender		Receiver	
Company	Company Name	Customer	Customer Name
STDBRAZIL	STDBRAZIL - PLEASE DON'T CHANGE T...	BR DOMESTIC CUST	NF-E EMITIDA EM AMBIENTE DE HOM...

Site	Nota Fiscal Series	Nota Fiscal No	Entry Date
SP01	010	000080137	07/01/2025
Issue Date	Object Type	Object Reference	Object Reference Status
07/01/2025	Customer Order Invoice		Cancelled
Currency Code	Currency Rate		
BRL	1		

Nota Fiscal Text

» Project Management > Invoicing > Project Invoice 🔍

Project Invoice PR - 210695 ▾ 1 of 1

» [🔍](#) [📄](#) [🗑️](#) [🔔](#) ▾ [Notes](#) [Invoice Text](#) [Printout](#) [Customer Installment Plan](#) **[Cancel Invoice](#)** [View Outgoing Nota Fiscal](#)

Customer	Customer Name	Project
NA9001	Brazilian Customer (NA)	
Invoice No	Invoice Period Start	Invoice Period End
210695	2/13/2024 📅	2/13/2024 📅

Amounts

Currency	Gross Amount	Net Amount	Tax Amount
BRL	2649.71	2500.00	149.71

LINES GENERAL PRE POSTING ACCOUNTING NF-E INFORMATION

🔍 + ✎

Item ID	Text	Description	Project	Sub Project	Activity	Report Code	Quantity	Price	Net Amount
✓									

Users can cancel the Project Invoice of the Cancelled Outgoing Nota Fiscal. Once the Project Invoice is cancelled the status of the invoice will be changed to “Cancelled”.

14.14.3 CANCEL APPROVED OUTGOING NF

Companies are allowed to Cancel Approved Outgoing Nota Fiscals when the corresponding Project Invoice is not sent to the customer. Once the Approved Outgoing Nota Fiscal is Cancelled, Outgoing Nota Fiscal status will be changed to “Cancelled” and **Cancel Invoice** command on the Project Invoice gets enabled. Users can cancel the Project Invoice of the Cancelled Outgoing Nota Fiscal.

14.15 Delimitations

- In this version, Outgoing Nota Fiscal is not supported in *Instant Invoice* flow.
- Outgoing Nota Fiscal is supported only in the CO flow (and supports only the basic functionalities in CO flow) and the Project Invoice – Initial Solution, Supplier Returns for Credit and Intra company goods movements.
- In the Project Invoice – Initial Solution, Outgoing Nota Fiscal NF-e communication is not supported. Only the manual issuance of Outgoing Nota Fiscal is supported in the Project Invoice – Initial Solution.

15 Outgoing Nota Fiscal for Services

15.1 Overview Legal Requirement

The Service Nota Fiscal (NFS, NFS-e) is a mandatory official document required to validate the provision of services in Brazil. It includes essential details, such as the service description, provider and customer information, price, the applicable service tax (ISS), and, in some cases, tax withholdings.

The document must always be issued in Brazilian Real (BRL). It serves as a tax record for services provided by a company to an individual or another company operating within Brazil.

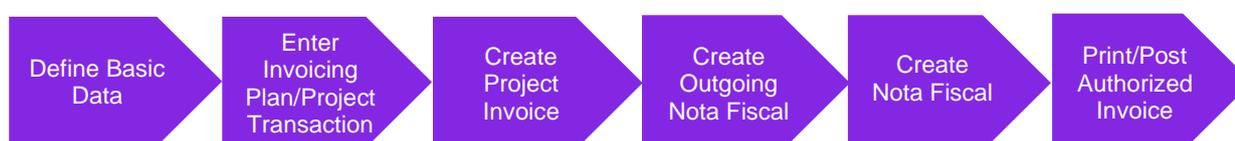
15.2 Process Overview

In IFS Applications, the issuing of outgoing Service Nota Fiscal is available in two flows:

Customer Order



Project Invoice – Initial Solution



15.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Outgoing Nota Fiscals” parameter must be enabled.

Note that also parameters “Acquisition Origin”, “Business Operation”, “Address Specific Tax ID Numbers”, “Goods/Services Statistical Codes”, “Extended Tax Codes Tax Calculation Structures set-up”, and “Allow Cancel Customer Invoices” must be enabled to fulfill data requirements for the Nota Fiscal. The External Tax Codes Mapping must also be configured for given the Company; this is used to record taxes returned by external tax system in the application side. Please see the specific chapters on how to set up the data needed.

The default series used to issue service Nota Fiscal must be selected for Manually Issue Nota Fiscal in the Official Document Number:

Series	Valid From	Branch	Fiscal Document Model	Start Value	End Value	Next Value	Length	Category	Manually Issue Nota Fiscal	Default Series
001 - Services	01/03/2024	SP01 - Branch SP01	NFE - Service - Paper	14000	20000	14027	9	Service	Yes	Yes
009 - Goods	01/01/2024	SP01 - Branch SP01	55 - Goods - Electronic (NF-e)	64000	64999	64176	9	Goods	No	Yes

15.4 Define Basic Data

To fulfill the requirements for mandatory data in the Service Nota Fiscal, please see details in the chapters about Official Document Number, Brazilian Specific Fiscal Attributes, Goods/Services Statistical Codes and Service Codes per Service and City.

15.5 Creating Service Nota Fiscal in Customer Order flow

Enter a Customer Order to sell the service item using a Non-Inventory Sales Part, set with Category “Service”:

Non-Inventory Sales Part

Search (4) Advanced

Site: SP01 Sales Part No Sales Part Description Company More Favorites Search Clear Saved Searches

F060900 - Potentiometer Adjustment Service - SP01 1 of 4

Complementary Parts Document Text Connect Services Customer Warranty

Sales Part No F060900	Part Description in Use Potentiometer Adjustment Service	Site SP01	Sales Type * Sales Only	Category * Service	Active <input checked="" type="checkbox"/>
--------------------------	-------------------------------------------------------------	--------------	----------------------------	-----------------------	-----------------------------------------------

GENERAL DESCRIPTIONS CHARACTERISTICS CHARGES

Intrastat			Sourcing		
Customs Statistics No	Intrastat Conv Factor	Customs UoM	Purchase Part	Sourcing Option * Not supplied	

The default Business Transaction ID set in the Delivery Tax Information of Customer’s Address is fetched into the field Business Transactions ID, in the Order Details tab:

Customer Order

Q Search (1)

>> P12771 1 of 1

Share Operations Invoice RMA Related Pages Copy Order Order History Sales Promotions

Order No	Customer	Site	Order Type	Wanted Delivery Date/T...
P12771	NE RCA DOMESTIC CUST - NF-E EMITIDA EM A...	SP01	RCA	02/09/2024 00:00

Order Amounts

LINES RENTAL LINES **ORDER DETAILS** CHARGES INVOLVED PARTIES

Delivery Address

Delivery Settings Document Address

Delivery Confirmation Invoice

Order Picking

Shipment

Brazilian Specific Attributes

Business Transaction ID
300 - Venda de Serviço

In the Lines tab, the federal service code is fetched from Goods/Services Statistical Codes defined for Non-Inventory Sales Parts:

Customer Order

Q Search (1)

>> P12771 1 of 1

Share Operations Invoice RMA Related Pages Copy Order Order History Sales Promotions

Order No	Customer	Site	Order Type	Wanted Delivery Date/T...
P12771	NE RCA DOMESTIC CUST - NF-E EMITIDA EM AM...	SP01	RCA	02/09/2024 00:00

Order Amounts

LINES RENTAL LINES ORDER DETAILS CHARGES INVOLVED PARTIES

✓	Sales Part No	Description	Goods/Services Statistical Code	Sales Qty	Sales UoM	Brazil Unit Price	Confirmed	Price/Curr	Price Tax/C
<input type="checkbox"/>	F060900	Potentiometer Adjustment Service	14.01 - Conserto, restau...	100	HOUR	90,14	Yes	80,00	90,

When a Customer Order line is saved or modified, the application sends a request to the external tax system Avalara. This request is in JSON format, communicated via REST API, and includes all relevant attributes at the installation, entity, part, and transaction levels necessary for tax determination.

Key attributes includes:

- The External Tax System Reference set for the Business Transaction ID used.
- The Goods/Service Statistical Code (Federal Service Code – LC 116).
- Service Codes according to the specific list provided by administration of cities involved in the business transaction.

All of which are crucial for accurate tax calculation. Once Avalara returns the response, all tax details are recorded in the Customer Order Tax Lines dialog for each item.

For more details about specific service codes at the city level, please refer to the chapter “Service Codes per Service and City.”

Customer Order Line Tax Lines									
Gross Amount		Net Amount			Tax Amount				
9014,08		8000,00			1014,08				
  									
Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base	Impact On Net Amount	CST Code	Legal Tax Class	
:	9014,08	BR-COFINS	Tax	7,6	685,07	685,07	Tax Inclusive	01	
:	9014,08	BR-CSLL	Tax	0	0,00	0,00	Tax Inclusive	01	
:	9014,08	BR-ISS	Tax	2	180,28	180,28	Tax Inclusive	01	
:	9014,08	BR-PIS	Tax	1,65	148,73	148,73	Tax Inclusive	01	

The price in the Customer Order line is communicated to Avalara as a net price. Avalara then returns the final price in the response file, including the tax-inclusive amounts. This final price is recorded in the "Brazil Unit Price" field of the Customer Order line:

Once the Customer Order lines are saved and taxes are returned, it must be processed up to the Customer Invoice, using the Core standard functionality.

In this flow, when the Customer Order is released, the application identifies the sales of service scenario based on parts entered in the lines and automatically fetches the default series set for the Services category from the Official Document Number into the Customer Order. Check the chapter Automatic Generation of Official Document Number for further details about the setup required for Nota Fiscal Series to be used when issuing Nota Fiscais in application.

Customer Order

Q Search (1)

» P12771 1 of 1 Invoiced

Share Operations Invoice RMA Related Pages Copy Order Order History Sales Promotions

Order No: P12771 Customer: **NE** RCA DOMESTIC CUST - NF-E EMITIDA EM A... Site: SP01 Order Type: RCA Wanted Delivery Date/T...: 02/09/2024 00:00

Order Amounts

LINES RENTAL LINES **ORDER DETAILS** CHARGES INVOLVED PARTIES

... ▼

Delivery Settings ▼

Delivery Confirmation

Confirm Deliveries:
 Check Sales Group Sett...:
 Delay Cost of Goods Sold to Delivery Confirmation:

Delivery Address

Delivery Address

RJ - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL

Single Occurrence: Tax Free Code:

Global Address

Once the Customer Invoice is created, the application sends a new tax determination request to Avalara to obtain the most up-to-date tax amounts. Similar to the Customer Order line process, the tax details returned can be verified in the Tax Lines dialog and the final price with tax-inclusive amounts is recorded in the "Brazil Unit Price" field.

The series for Services can be verified along with the other components Branch, Fiscal Document Model and Nota Fiscal Number fetched, by clicking the button Official Document Number Components:

Official Document Number Components

Serie	Branch	Fiscal Document Model	Nota Fiscal Number
001 - Services	SP01 - Branch SP01	NFE - Service - Paper	000014026

Additionally, the CFOP returned by Avalara is recorded in the "Business Operation" field on the Customer Invoice line:

Customer No	Customer Address Name	Series ID	Invoice No	Official Document No	Co
NE RCA DOMESTIC C...	NF-E EMITIDA EM AMB...	CD	001SP01NFE000014026	001SP01NFE000014026	BN
Invoice Created	Order Created				
02/09/2024	02/09/2024				

Amounts					
Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	9024,08	8010,00	1014,08	1	1

LINES

GENERAL

NF-E INFORMATION

HISTORY

Tax Lines

Tax Lines, Withholding

Invoice Line Discount

Pre Posting

(1)	Structure	Business Operation	Acquisition Origin	Goods/Services Statistical Code	Tax (%)	Multiple Tax Lines	Net Amount/Curr	Tax Amount/Curr
<input checked="" type="checkbox"/>		6933		14.01 - Concerto, restau...		Yes	8000,00	1014,08

The withholding taxes returned can be verified in the Tax Lines - Withholding dialog:

×
Tax Lines, Withholding

Customer	Withholding Base	Series ID	Invoice No
NE RCA DOMESTIC CUST - NF-E EMITIDA E...	Invoice Net Amount	CD	001SP01NFE000014026
Tax Curr Rate	Gross Amount	Net Amount	
1	9014,08	8000,00	

Line Details
⚙️ ⏪ ⏩ 24 ⏸

<input checked="" type="checkbox"/>	Tax Code	Tax Type	Withholding Base Amount	Tax %	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency
<input type="checkbox"/>	BR-COFINS RET	Tax Withhold	9014,08	3	270,42	270,42	54,08
<input type="checkbox"/>	BR-CSLL RET	Tax Withhold	9014,08	1	90,14	90,14	18,03
<input type="checkbox"/>	BR-INSS RET	Tax Withhold	9014,08	0	0,00	0,00	0,00
<input type="checkbox"/>	BR-IRPJ RET	Tax Withhold	9014,08	0	0,00	0,00	0,00
<input type="checkbox"/>	BR-IRRF RET	Tax Withhold	9014,08	1	90,14	90,14	18,03
<input type="checkbox"/>	BR-PIS RET	Tax Withhold	9014,08	0,65	58,59	58,59	11,72

Notes: If the "Manually Process Outgoing Nota Fiscal" toggle button is selected in **Company/Invoice/NF-e Compliance**, the Nota Fiscal must be created manually by clicking the command button "Create Outgoing Nota Fiscal" on the Customer Invoice page. If the toggle button is unselected, the Nota Fiscal will be created automatically, when the preliminary Customer Invoice is generated.

Once the outgoing Nota Fiscal is created, you can navigate from Customer Invoice to Outgoing Nota Fiscal by clicking the command button View Outgoing Nota Fiscal in the Customer Invoice page.

The Nota Fiscal created with Document Type “Services Nota Fiscal” contains all the relevant details in header and lines level.

Most of the information in the Nota Fiscal is directly copied from the related Customer Invoice, including the Brazil Unit Price, Business Operation (CFOP), Goods/Services Statistical Codes (federal service code), Nota Fiscal Series, Nota Fiscal Number, Fiscal Document Model, as well as regular taxes and withholding taxes, which be verified by clicking the "Tax Lines" and "Tax Lines – Withholding" buttons in the Lines tab:

Outgoing Nota Fiscal - 001000014026

Search (1)

Document Type
Services Nota Fiscal

Sender Receiver

...

Amounts

Gross Amount	Net Amount	Tax Amount
9024,08	8010,00	1014,08

Charge Amounts

LINES ADDRESS GENERAL NF-E INFORMATION

Lines

Tax Lines Tax Lines, Withholding

(1)	Line ID	Quantity	Brazil Unit Price	Price	Net Amount	Net Amount in Accounting Currency	Tax Amount	Tax Amount in Accounting Currency	Accounting Amount	Tax Code	Tax Calc
1	1	100	90,14	80,00	8000,00	8000,00	1014,08	1014,08	9014,08		

After service Nota Fiscal is created in Customer Order flow, it must be manually issued in the city hall administration web site and once the process is completed, it be approved in the application, by clicking the button Approve in the page header:

Outgoing Nota Fiscal - 001000014026

Search (25) Advanced

Status Sender Document Address Nota Fiscal Series Doc

More Favorites Search Clear

>> 2 of 25

Approve Cancel Customer Invoice

Document Type
Services Nota Fiscal

After the outgoing service Nota Fiscal is approved, the related Customer Invoice is automatically posted.

15.6 Delimitations

There is currently no support for integrating service Nota Fiscal with municipal authorities using the third-party service provider Avalara. At this time, the process is only supported manually, which requires that the default service series be configured for manual issuance. Additionally, the user must manually issue the Nota Fiscal on the municipality's website.

16 Outgoing Nota Fiscal – Supplier Returns for Credit

16.1 Overview Legal Requirement

Brazilian law requires that companies issue an accompanying Nota Fiscal whenever commodities are moved between different taxpayer units. When you return purchased commodities to the supplier, you must issue a new Outgoing Nota Fiscal to accompany the returned commodities.

When issuing an Outgoing Nota Fiscal to Supplier Returns transaction, following rules must be adhered:

- In Brazil, you can only process a return once the preceding outgoing nota fiscal has been printed.
- The purchase return *nota fiscal* must be based on the supplier's original *nota fiscal*. If merchandise is fully returned, the outbound *nota fiscal* values must be identical to the supplier's original *nota fiscal*.
- If merchandise is partially returned, the outbound *nota fiscal* values must be proportional to the supplier's original *nota fiscal*.
- The tax rates and costs must be returned in the same amounts as those amounts that were used in the supplier's original *nota fiscal*.
- The original freight, insurance, and expenses must also be returned proportionally and handled with a separate *nota fiscal*.

16.2 Process Overview





- Creating a Credit Supplier Invoice will automatically generate an Outgoing Nota Fiscal Object.
- Generate NFe-xml and communicate with the third party system integrator
- Outgoing Nota Fiscal lifecycle management is applied (Explained more in detail in the *Outgoing Nota Fiscales* chapter)
- Credit Supplier Invoice could be processed according to the connected Outgoing Nota Fiscal status.

16.3 Prerequisites

The company must be set-up to use Brazilian localization, see chapter Company Set up, and the parameter “*Outgoing Nota Fiscal*” must be enabled.

Company level parameter, “*Manually Process Nota Fiscal*” determines whether the Outgoing Nota Fiscal is automatically created when generating the Credit Supplier Invoice or manually processed.

16.4 Prepare shipment for items to return to Supplier

Use IFS Cloud generic functionality to register inspection results, set the Receipt Return Type = Return Credit and connect return items to Shipment.

16.5 Create Credit Supplier Invoice

16.5.1 CREATE CREDIT SUPPLIER INVOICE NUMBER SERIES

Since the Credit Supplier Invoice is produced by the buyer, it’s required to have a system generated unique number series allocated for each Credit Supplier Invoice in Preliminary state.

Once the Outgoing Nota Fiscal is generated, Outgoing Nota fiscal Number will automatically get assigned to the Credit Supplier Invoice as Credit Supplier Invoice No and replace the system generated Credit Supplier Invoice preliminary number.

To have a system generated and unique number series used in Credit Supplier Invoice flow, use the IFS Cloud core functionality “Print Debit/Credit Notes” as described below.

Define a separate Invoice series used to generate Credit Supplier Invoice

Go to the **Financials/Supplier Invoice/Basic Data/Invoice Series** page and define a new invoice series to use in Credit Supplier Invoice flow.

Invoice Series				
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
✓		Series ID	Description	Voucher Type
<input type="checkbox"/>	:	SX	External Supplier Invoice	
<input type="checkbox"/>	:	SR	Supplier returns	
<input type="checkbox"/>	:	SI	Manual Supplier Invoice	
<input type="checkbox"/>	:	SF	Supplier Difference Item	
<input type="checkbox"/>	:	SD	Customer Order Self-Billing Invoice, Debit	
<input type="checkbox"/>	:	SCR	Supplier Credit Invoice	
<input type="checkbox"/>	:	SC	Customer Order Self-Billing Invoice, Credit	

Then define an Invoice No series to be used.

Invoice Number Series					
SCR - Supplier Credit Invoice ▾ 1 of 1					
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
✓		Valid From	Start Value	End Value	Next Value
<input type="checkbox"/>	:	8/4/2022	5000	5999	5001

Define a separate Supplier Invoice Type used to generate Credit Supplier Invoice

Connect the above defined new invoice series to a new Invoice type which could be used to generate Credit Supplier Invoice. Make sure to enable, “Print Debit/Credit Invoice” option which will enable automatically assigning of a Supplier Invoice No to the Credit Supplier Invoice.

Supplier Invoice Types

Invoice Type	Description	Tax Free Tax Code	Reference Mandatory	Correction Reason Mandatory	Invoice Text Mandatory	Definite Invoice Series ID	Branch	Print Debit/Credit Note
<input type="checkbox"/> : SUPRECINV	Recurring Supplier Invoice		No	No	No	RS		No
<input type="checkbox"/> : SUPPINV_CR	Credit Supplier Invoice		No	No	No	SCR		Yes
<input type="checkbox"/> : SUPPINVRET	Supplier returns		No	No	No	SR		No
<input type="checkbox"/> : SUPPINV	Manual Supplier Invoice		No	No	No	SI		No
<input type="checkbox"/> : SUPPEXT	External Supplier Invoice		No	No	No	SX		No

Select Above Supp Inv Type when creating the Credit Supplier Invoice

When you create a Credit Supplier Invoice, make sure to manually select the above defined Supplier Invoice Type, to have a unique Credit Supplier Invoice No in Preliminary state Credit Supplier Invoice.

New Manual Supplier Invoice

Header Information — Line Information — Posting Information

Company: DU-BR	Voucher Date: 7/26/2022	Accounting Year: 2022	Accounting Period: 7	User Group: AC	Voucher Type: I	Voucher No:
PO Reference:	Receipt Reference:	Sub Contract Reference:	Invoice Advice Reference:	Project ID:	Supplier:	
Invoice Type: SUPPINV_CR	Series ID: SCR	Invoice No:	Currency:	Currency Rate:	Invoice Date: 7/26/2022	Arrival Date: 7/26/2022
Payment Terms:	Due Date:	Plan Pay Date:	Payment Reference:	Automatic Payment Authorization:	Authorizer ID:	

When you select the above defined Invoice Type, Invoice No field become uneditable and during the process of Credit Supplier Invoice generation, Invoice No is automatically assigned.

16.5.2 REFERENCE INVOICE NO IN THE CREDIT SUPPLIER INVOICE

As per the Brazilian legal requirement, the purchase return nota fiscal must be based on the supplier's original nota fiscal. If merchandise is fully returned, the outbound nota fiscal values must be identical to the supplier's original nota fiscal.

If merchandise is partially returned, the outbound nota fiscal values must be proportional to the supplier's original nota fiscal.

To cater the above requirement, we need to establish a connection between the original Nota Fiscal received from the Supplier with the outgoing Nota Fiscal generated based on the new Credit Supplier Invoice. IFS Cloud core functionality "Reference Series" and "Reference Invoice No" is used to establish the connection.

When a Credit Supplier Invoice is created for a Brazilian company, it's a must to connect the original Supplier Debit invoice as follows:

New Manual Supplier Invoice

Header Information
Line Information
Posting Information

Company DU-BR	Voucher Date 7/25/2022	Accounting Year 2022	Accounting Period 7	User Group AC	Voucher Type I	Voucher No
------------------	---------------------------	-------------------------	------------------------	------------------	-------------------	------------

PO Reference 91000177	Receipt Reference	Sub Contract Reference	Invoice Advice Reference	Project ID	Supplier DU-BRSUP1 - DU-BRS	
Invoice Type SUPPINV_CR	Series ID SCR	Invoice No	Currency BRL	Currency Rate 1	Invoice Date 7/25/2022	Arrival Date 7/25/2022
Payment Terms 0 - Due Immediately	Due Date 7/25/2022	Plan Pay Date 7/25/2022	Payment Reference	Automatic Payment Authorization No		
Advance Invoice <input type="checkbox"/>	Gross Amount	Net Amount	Tax Amount			

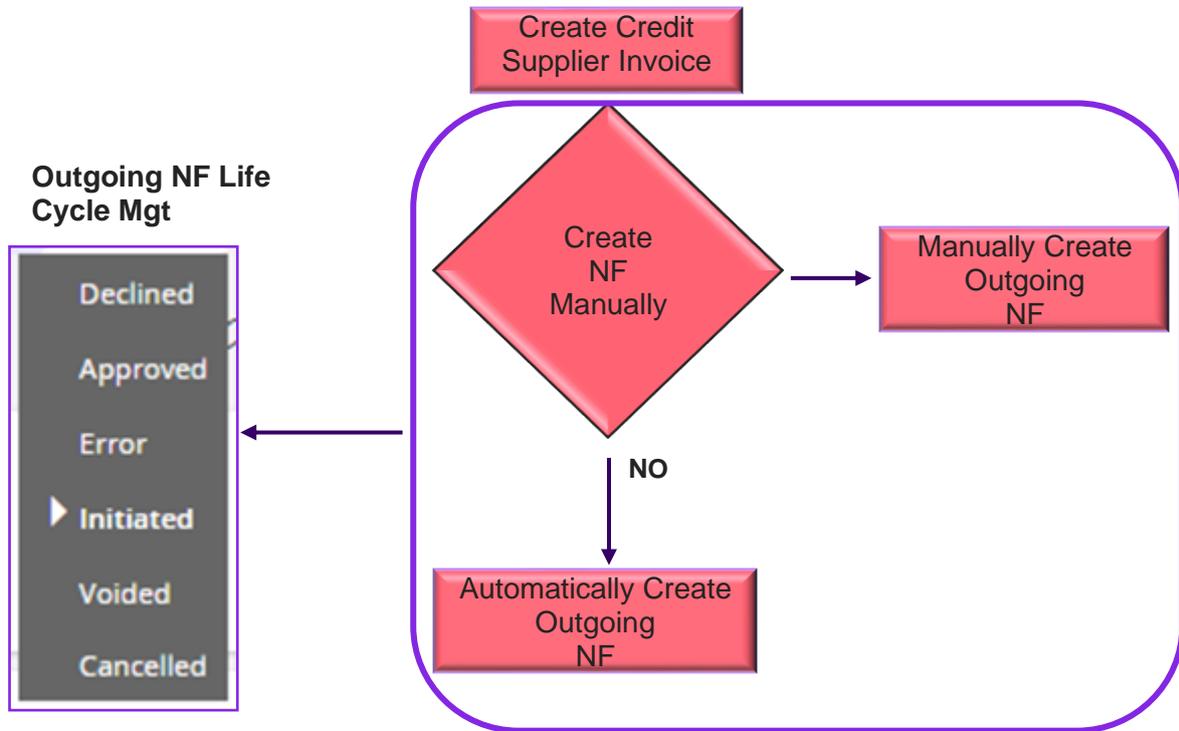
More Information

Reference Series SI	Reference Invoice No 91000177	Invoice Recipient DUNEELA - Duneela Danapala	Supplier Invoice Address SUP1:AD1	Delivery Address DUBR AD1
------------------------	----------------------------------	-------------------------------------------------	--------------------------------------	------------------------------

16.5.3 CREATE OUTGOING NOTA FISCAL MANUALLY/AUTOMATICALLY

Create the Credit Supplier Invoice in Preliminary state using IFS standard functionality, then create an “Outgoing Nota Fiscal” object in the application. Once the Outgoing Nota Fiscal is created, the preliminary Credit Supplier Invoice number will be replaced by the Outgoing Nota Fiscal number.

Process Overview



16.5.4 BASIC DATA SETTING – OUTGOING NOTA FISCAL

Company level parameter “*Manually Process Nota Fiscal*” determines whether the Outgoing Nota Fiscal is automatically created when creating the Credit Supplier Invoice or manually processed.

Invoice DU-BR - DU-BR Company ▼ 1 of 5

Company: DU-BR Name: DU-BR Company Association No: Created By: DUDALK

GENERAL DEFAULT INVOICE TYPES PO MATCHING DOCUMENT MANAGEMENT **NF-E COMPLIANCE**

Manually Process Incoming Nota Fiscal Manually Process Outgoing Nota Fiscal

Attachments

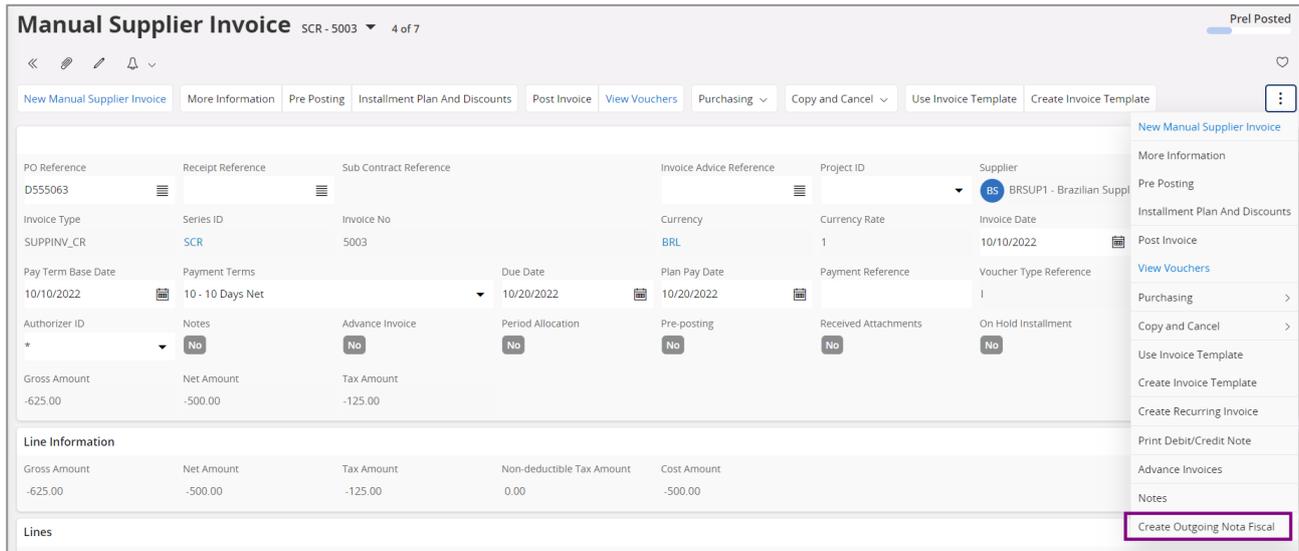
Below table shows, how this Company level parameter “*Manually Process Nota Fiscal*” works with *Credit Supplier Invoice*, *Outgoing Nota Fiscal* and the NFe XML generation.

Parameter, Manually Process Nota Fiscal	Outgoing Nota Fiscal object	NFe XML generation
Enabled (Outgoing NF is Manually processed)	First, Credit Supplier Invoice is created and the Outgoing NF need to be manually created by using the command, Create Outgoing Nota Fiscal .	NFe XML need to be manually generated by using the command “ <i>Send Nota Fiscal</i> ” on the Outgoing NF object.
Disabled (Outgoing NF is Automatically processed)	When Credit Supplier Invoice is created, the Outgoing NF object is automatically created.	NFe XML is automatically generated based on the Outgoing NF object.
<i>*Both the Outgoing NF object and the NFe is automatically generated</i>		

16.6 Outgoing Nota Fiscal Life Cycle Management

16.6.1 OUTGOING NF MANUALLY CREATED

When Company level parameter “Manually Process Nota Fiscal” is enabled, the Outgoing Nota Fiscal needs to be manually created in the Credit Supplier Invoice process. To support this manual process, command **Create Outgoing Nota Fiscal** is enabled on Credit Supplier Invoice.



The screenshot displays the 'Manual Supplier Invoice' interface for SCR - 5003. The interface includes a top navigation bar with various actions like 'New Manual Supplier Invoice', 'More Information', 'Pre Posting', 'Installment Plan And Discounts', 'Post Invoice', 'View Vouchers', 'Purchasing', 'Copy and Cancel', 'Use Invoice Template', and 'Create Invoice Template'. A right-hand menu is open, showing options such as 'New Manual Supplier Invoice', 'More Information', 'Pre Posting', 'Installment Plan And Discounts', 'Post Invoice', 'View Vouchers', 'Purchasing', 'Copy and Cancel', 'Use Invoice Template', 'Create Invoice Template', 'Create Recurring Invoice', 'Print Debit/Credit Note', 'Advance Invoices', 'Notes', and 'Create Outgoing Nota Fiscal' (highlighted with a red box).

PO Reference	Receipt Reference	Sub Contract Reference	Invoice Advice Reference	Project ID	Supplier
D555063					BRSUP1 - Brazilian Suppl
Invoice Type	Series ID	Invoice No	Currency	Currency Rate	Invoice Date
SUPPINV_CR	SCR	5003	BRL	1	10/10/2022
Pay Term Base Date	Payment Terms	Due Date	Plan Pay Date	Payment Reference	Voucher Type Reference
10/10/2022	10 - 10 Days Net	10/20/2022	10/20/2022		I
Authorizer ID	Notes	Advance Invoice	Period Allocation	Pre-posting	Received Attachments
*	No	No	No	No	No
Gross Amount	Net Amount	Tax Amount			
-625.00	-500.00	-125.00			

Line Information				
Gross Amount	Net Amount	Tax Amount	Non-deductible Tax Amount	Cost Amount
-625.00	-500.00	-125.00	0.00	-500.00

Once the Outgoing Nota Fiscal is created from the Credit Supplier Invoice, command **View Outgoing Nota Fiscal** is enabled.

Outgoing Nota Fiscal is created in “Initiated” state while the connected Credit Supplier Invoice is in “Preliminary” state.

Outgoing NF Status	Credit Supplier Invoice Status
Initiated	Preliminary

16.6.1.1 Generate and Send NF-e XML File

Once the Outgoing Nota Fiscal object is created it's automatically set to the status “Initiated” and the option “Send Nota Fiscal” is enabled. Use this command **Send Nota Fiscal** to generate the NF-e XML and send to the third-party system integrator for Brazilian Tax Authority approval.

Manual Supplier Invoice SCR - 0091000010006 5 of 7 Prel Posted

[New Manual Supplier Invoice](#)
[More Information](#)
[Pre Posting](#)
[Installment Plan And Discounts](#)
[View Vouchers](#)
[Purchasing](#)
[Use Invoice Template](#)
[Create Invoice Template](#)
[Advance Invoices](#)
[Notes](#)
[View Outgoing Nota Fiscal](#)

PO Reference 200137	Receipt Reference	Sub Contract Reference	Invoice Advice Reference	Project ID	Supplier BS BRSUP1 - Brazilian Supplier 1
Invoice Type SUPPINV_CR	Series ID SCR	Invoice No 0091000010006	Currency BRL	Currency Rate 1	Invoice Date 10/10/2022
Pay Term Base Date 10/10/2022	Payment Terms 10 - 10 Days Net	Due Date 10/20/2022	Plan Pay Date 10/20/2022	Payment Reference	Arrival Date 10/10/2022
Authorizer ID *	Notes No	Advance Invoice No	Period Allocation No	Pre-posting No	Voucher Type Reference I
Gross Amount -125.00	Net Amount -100.00	Tax Amount -25.00	Received Attachments No	On Hold Installment No	Voucher No Reference 2022000006
					Posting Proposal No

Outgoing Nota Fiscal - 009100000036 1 of 1 Initiated

[Send Nota Fiscal](#)
[Manual Supplier Invoice](#)

Sender		Receiver	
Company DU-BR	Company Name DU-BR Company	Supplier DU-BRSUP1	Supplier Name DU-BRSUP1

Nota Fiscal Series 009	Nota Fiscal No 100000036	Invoice Date 7/25/2022
Object Type Manual Supplier Inv Return	Object Reference 17	Object Reference Status Preliminary
Business Transaction Id	Payment Terms 0	Currency Code BRL
Nota Fiscal Text		

Once the Outgoing Nota Fiscal is sent to the third-party system integrator, Outgoing Nota Fiscal status is automatically set to "Sent Request".

g Nota Fiscal Company DU-BR Company

Outgoing Nota Fiscal - 009100000036 1 of 1

Sent Request

Manual Supplier Invoice

Sender		Receiver	
Company	DU-BR	Supplier	DU-BRSUP1
Company Name	DU-BR Company	Supplier Name	DU-BRSUP1

Nota Fiscal Series	Nota Fiscal No	Invoice Date
009	100000036	7/25/2022
Object Type	Object Reference	Object Reference Status
Manual Supplier Inv Return	17	Preliminary
Business Transaction Id	Payment Terms	Currency Code

Note

-When the Outgoing Nota Fiscal is set to the status of "Initiated" and "Sent Request", the IFS standard command on Credit Supplier preliminary invoice, "Post Invoice", "PO Matching" and "Copy Cancel" options are disabled.

16.6.2 OUTGOING NF **AUTOMATICALLY CREATED**

When Company level parameter "Manually Process Nota Fiscal" is disabled, then the Outgoing Nota Fiscal Object is automatically created in the Credit Supplier Invoice process. Once the Outgoing Nota Fiscal Object is created, also NFe XML is automatically generated (based on the Outgoing NF object) and sent to the third party system integrator to communicate with the Brazilian Tax Authority.

Since both the Nota Fiscal Object and the NFe XML are automatically generated and sent to the Tax Authority for Approval, *Outgoing Nota Fiscal* is created in "Sent Request" state. The connected Credit Supplier Invoice is in "Preliminary" state.

Outgoing NF Status	Credit Supplier Invoice Status
Sent Request	Preliminary

Outgoing Nota Fiscal - 009100000036 1 of 1

Company DU-BR Company

Sent Request

Manual Supplier Invoice

Sender		Receiver	
Company	DU-BR	Supplier	DU-BRSUP1
Company Name	DU-BR Company	Supplier Name	DU-BRSUP1

Nota Fiscal Series	Nota Fiscal No	Invoice Date
009	100000036	7/25/2022
Object Type	Object Reference	Object Reference Status
Manual Supplier Inv Return	17	Preliminary
Business Transaction Id	Payment Terms	Currency Code

16.6.3 GENERATION AND ASSIGNING A “NF-E KEY” TO NF-E XML

The status “Sent Request” means the *Outgoing Nota Fiscal* is created and the NFe XML is generated and communicated with the third-party service provider. In this process, NF-e-Key is also generated and assigned to the Outgoing Nota Fiscal object and added in the NFe XML file.

Amounts		
Gross Amount	Net Amount	Tax Amount
-125.00	-100.00	-25.00

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date			NF-e Key
7/25/2022			352207123456789012346500910000003610020951...
NF-e Processing Date			NF-e Status Code
			Return Message

16.6.4 GENERATION OF NF-E XML

IFS Cloud will produce an IFS style XML file which is generated to integrate with a 3rd party solution provider. The 3rd party service provider will convert the IFS style XML file into the official NF-e XML layout and can also add a digital signature to the file. The 3rd party solution provider will communicate the file to the Brazilian Tax Authority (SEFAZ).

```

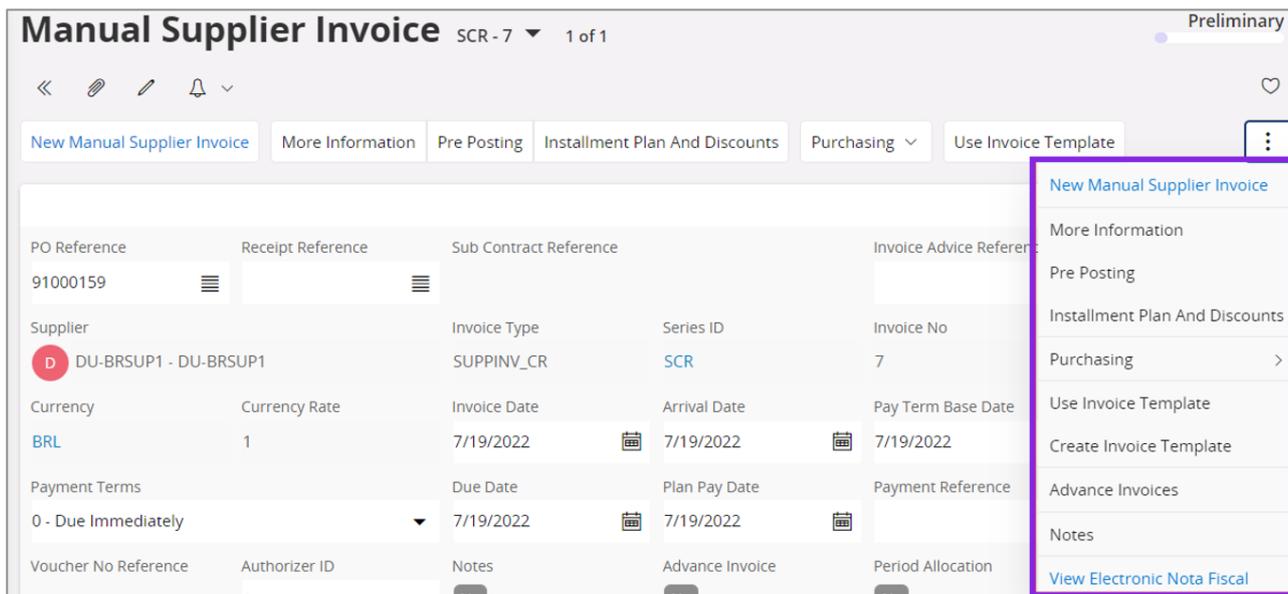
<NFe xmlns="http://www.portalfiscal.inf.br/nfe" xmlns:xsi="http://www.w3.org/200
- <infNFe Id="35201115257504000105650090000100161002104318" versao="4">
  - <ide>
    <cUF>35</cUF>
    <CNF>00210431</CNF>
    <natOp>Vendas</natOp>
    <mod>65</mod>
    <serie>009</serie>
    <nNF>000010016</nNF>
    <dhEmi>2020-11-12T08:24:19+00:00</dhEmi>
    <dhSaiEnt>2020-11-12T08:24:19+00:00</dhSaiEnt>
    <tpNF>1</tpNF>
    <idDest>2</idDest>
    <cMunFG>7107</cMunFG>
    <tpImp>1</tpImp>
    <tpEmis>1</tpEmis>
    <cDV>8</cDV>
    <tpAmb>2</tpAmb>
    <finNFe>1</finNFe>
    <indFinal>0</indFinal>
    <indPres>2</indPres>
    <procEmi>0</procEmi>
    <verProc>4</verProc>
  </ide>
  - <emit>
    <CNPJ>15257504000105</CNPJ>
    <xNome>Brazilian Company System Test</xNome>
    - <enderEmit>
      <xLgr>Caljunto Nova</xLgr>
      <nro>10</nro>
      <xBairro>Bairro</xBairro>
      <cMun>7107</cMun>
      <xMun>SAO</xMun>
      <UF>SP</UF>
      <CEP>14278</CEP>
      <cPais>1058</cPais>
      <xPais>BRAZIL</xPais>
    </enderEmit>
    <IE>123456</IE>
    <CRT>3</CRT>
  </emit>
  - <dest>
    <CNPJ>98741254112145</CNPJ>
    <xNome>Brazilian Customer 1</xNome>
    - <enderDest>
      <xLgr>Rio Grande</xLgr>
      <nro>8</nro>
      <xBairro>RIO</xBairro>
      <cMun>1578</cMun>
      <xMun>Rio de Janeiro</xMun>
      <UF>RJ</UF>
      <CEP>14254</CEP>
      <cPais>1058</cPais>
      <xPais>BRAZIL</xPais>
      <fone>023144445</fone>
    </enderDest>
    <indIEDest>2</indIEDest>
    <IE/>
    <email>john.smith@ifsworld.com</email>
  </dest>
  - <det nItem="1">
    - <prod>
      <cProd>181</cProd>
      <cEAN>9300617000020</cEAN>
      <xProd>Garage door handle, Belucci design</xProd>
      <NCM>74081100</NCM>
    </prod>
  </det>
</infNFe>

```

Once the Outgoing Nota Fiscal is created and set to the initiated status, connected Credit Supplier Invoice couldn't be processed. Connected Outgoing Nota Fiscal should 1st process and the further processing of the Credit Supplier Invoice is dependent on the Outgoing NF status (described in the chapters below).

16.6.5 CREDIT SUPPLIER INVOICE WITH OUTGOING NOTA FISCAL

Once the Outgoing Nota Fiscal is set to the status "Initiated" and "Sent Request", connected Credit Supplier Invoice couldn't be processed. Which means that from the Credit Supplier Invoice, further processing options like, "Post Invoice", "PO Matching" and "Copy Cancel" are disabled.



Further processing of Credit Supplier Invoice is dependent on the Outgoing Nota Fiscal status and all possible status are described in detail in below chapters.

16.6.6 OUTGOING NF APPROVED

Once the Outgoing Nota Fiscal gets Approved, connected Credit Supplier Invoice will get automatically Approved.

Outgoing NF Status	Credit Supplier Invoice Status
Approved	Approved

16.6.6.1 Receive Response File

The Brazilian tax authority SEFAZ will in real time validate the received NF-e XML file and send back a response XML which must be received by IFS prior to the physical release of goods.

Similar to the sending of XML process, 3rd party service provider will receive the response file from SEFAZ first and send the response information to IFS in the IFS style XML layout.

Once the IFS style XML response is received from the 3rd party service provider, IFS reads the file and recognize the correct Credit Supplier Invoice by validating the "NF-e Key".

The **NF-e Information** tab will be updated with the values from the xml file.

ing Nota Fiscal Company DU-BR Company

Outgoing Nota Fiscal - 009100000041 1 of 1

Approved

Send Cancel Request Manual Supplier Invoice

Sender	Receiver
Company DU-BR	Supplier DU-BRSUP1
Company Name DU-BR Company	Supplier Name DU-BRSUP1

Nota Fiscal Series	Nota Fiscal No	Invoice Date
009	100000041	7/26/2022
Object Type	Object Reference	Object Reference Status
Manual Supplier Inv Return	21	Preliminary
Business Transaction Id	Payment Terms	Currency Code

SEFAZ Status Code "100" indicates the response file is approved and these Credit Supplier Invoices could be further process and set to status of "PostedAuth".

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date		NF-e Key	NF-e Protocol No
7/26/2022		352207123456789012356500910000004110020962...	135180015173174LOL
NF-e Processing Date		NF-e Status Code	Return Message
10/7/2020		100	Autorizado o uso da NF-e

```

<?xml version="1.0" encoding="UTF-8"?>
- <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  - <SOAP-ENV:Header>
    - <fndcn:Message xmlns:fndcn="urn:ifsworld-com:schemas:fndcn" SOAP-ENV:mustUnderstand="1">
      <fndcn:Type>CONNECT</fndcn:Type>
      <fndcn:Function>NFE_RESPONSE</fndcn:Function>
      <fndcn:Sender/>
      <fndcn:Receiver/>
      <fndcn:SentAt/>
      <fndcn:ExpiresAt/>
    </fndcn:Message>
  </SOAP-ENV:Header>
  - <SOAP-ENV:Body>
    - <NFE_RESPONSE xmlns="urn:ifsworld-com:schemas:receive_nfe_response_service_receive_nfe_response_request">
      <FNE_STATE_ID>35190804106230000190550090000058191000006895</FNE_STATE_ID>
      <FNE_ENVIRONMENT>2</FNE_ENVIRONMENT>
      <FNE_STATE_DATE>15/01/2019</FNE_STATE_DATE>
      <FNE_STATE_USE>125100000261186</FNE_STATE_USE>
      <FNE_SEFAZ_STATUS_CODE>100</FNE_SEFAZ_STATUS_CODE>
      <FNE_RETURN_MESSAGE>Autorizado o Uso da NF-e</FNE_RETURN_MESSAGE>
    </NFE_RESPONSE>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

SEFAZ responses with any other status codes will not be further processed and the Credit Supplier Invoice will remain in status "Preliminary" (these scenarios are described in chapters below).

16.6.7 CREDIT SUPPLIER INVOICE WITH OUTGOING NF DECLINED

Outgoing Nota Fiscal could be Declined by the Brazilian tax authority. This could happen when the issuer or recipient has some pending issue and irregularities with the Brazilian Government, i.e., may not perform business transactions within the state.

When a Nota Fiscal is declined it cannot be voided or cancelled and the Nota Fiscal number cannot be used again.

Outgoing Nota Fiscal - 009100000033

4 of 7

Declined

⏪
✎
🔔
▼
Supplier Invoice Analysis
View Vouchers
❤

Sender Company DU-BR Company Name DU-BR Company	Receiver Supplier DU-BRSUP1 Supplier Name DU-BRSUP1
------------------------------------------------------------------------	----------------------------------------------------------------------------

Nota Fiscal Series	Nota Fiscal No	Invoice Date
009	100000033	7/21/2022
Object Type	Object Reference	Object Reference Status
Manual Supplier Inv Return	10	Cancelled
Business Transaction Id	Payment Terms	Currency Code
	0	BRL

Nota Fiscal Text

Once the IFS Cloud receives the Declined response message from the 3rd part integrator, Outgoing Nota Fiscal is set to the status “Declined”.

LINES	ADDRESS	GENERAL	NF-E INFORMATION		
Issue Date			NF-e Key	NF-e Protocol No	
7/17/2022			352207123456789012346500910000002910020850...	135180015173174LOL	
NF-e Processing Date			NF-e Status Code	Return Message	
1/10/2022			110	Denegado o uso da NF-e	

NF-e Status Code “110” and “303” are examples of response codes meaning the Nota Fiscal is declined.

Subsequently, the connected Credit Supplier Invoice get automatically “Cancelled”.

Outgoing NF Status	Credit Supplier Invoice Status
Declined	Cancelled

In this scenario, it’s always the “Preliminary” Credit Supplier Invoice which is cancelled and no reversal voucher will be created.

16.6.8 CANCELLATION REQUEST SENT TO THE APPROVED OUTGOING NF IN CREDIT SUPPLIER INVOICE PROCESS

The general rule stated by Brazilian government says that companies are allowed to cancel Authorized Nota Fiscals up until 24 hours from the issue date and time. There are some scenarios that still allow cancellation even after 24 hours (can be connected to penalty fee or audit).

Outgoing NF Status	Credit Supplier Invoice Status
Cancellation Request Sent	Authorized

The **Send Cancel Request** command will generate an outgoing xml file representing the request to cancel the referenced Nota Fiscal number.

```

1 <infEvento>
2   <xServ>CANCELAMENTO</xServ>
3   <chNFe>35220177214253000192650090000010311002063978</chNFe>
4   <tpAmb>2</tpAmb>
5   <xJust>Pedido de Cancelamento de Nota Fiscal Eletronica</xJust>
6 </infEvento>

```

In the above scenario, Outgoing Nota Fiscal status is set to the “Cancellation Request Sent” while connected Credit Supplier Invoice is still Authorized.

16.6.9 CANCEL THE APPROVED OUTGOING NF IN CREDIT SUPPLIER INVOICE PROCESS

Once the Outgoing Nota Fiscal cancellation request is accepted by the Brazilian Tax Authority, cancelled response message will be received to IFS Cloud via a 3rd party integrator and the Outgoing Nota Fiscal is set to the status of “Cancelled”. The connected Credit Supplier Invoice is also automatically cancelled.

Outgoing NF Status	Credit Supplier Invoice Status
Cancelled	Cancelled (Cancelled PostedAuth Invoice)

In the above scenario, it’s always the PostedAuth Credit Supplier Invoice which is cancelled, hence a reversal “K” Voucher is created reversing the original Credit Supplier Invoice postings.

Outgoing Nota Fiscal - 009100000032 3 of 7 Cancelled

Supplier Invoice Analysis | View Vouchers

Sender		Receiver	
Company	DU-BR	Supplier	DU-BRSUP1
Company Name	DU-BR Company	Supplier Name	DU-BRSUP1

Nota Fiscal Series	Nota Fiscal No	Invoice Date
009	100000032	7/21/2022
Object Type	Object Reference	Object Reference Status
Manual Supplier Inv Return	9	Cancelled
Business Transaction Id	Payment Terms	Currency Code
	0	BRL

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date		NF-e Key	NF-e Protocol No
7/21/2022		352207123456789012346500910000003210020900...	135180015173174LOL
NF-e Processing Date		NF-e Status Code	Return Message
6/20/2022		135	Autorizado o uso da NF-e

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date		NF-e Key	NF-e Protocol No
7/21/2022		352207123456789012346500910000003210020900...	135180015173174LOL
NF-e Processing Date		NF-e Status Code	Return Message
6/20/2022		135	Autorizado o uso da NF-e

After receiving a cancellation request approval xml file from the tax authority, the NF-e status code will be updated to "135 - Cancelamento Homologado" and the Credit Supplier Invoice status will be changed to "Cancelled".

Supplier Invoice Analysis SCR - 9 1 of 1 Cancelled

More Information | Installment Plan and Discounts | Pre Posting | Vouchers | Payment Status

Supplier	DU-BRSUP1 - DU-BRSUP1	Invoice Type	SUPPINV_CR	Series ID	SCR	Invoice No	9
PO Reference	S133006	Receipt Reference		Sub Contract Reference		Project ID	
Advance Invoice	No	Notes	No	Correction Invoice	No	Correction Exist	No
Currency Rate		Gross Amount		Net Amount		On Hold Installment Exists	No
						Currency	BRL

16.6.10 RECEIVED ERROR RESPONSE FROM THE BRAZILIAN TAX AUTHORITY

If the Brazilian tax authority finds errors in the request file, they will send an Error response via the 3rd party integrators. There could be 2 types of Errors as described below.

Receive an Error Response which could be fixed

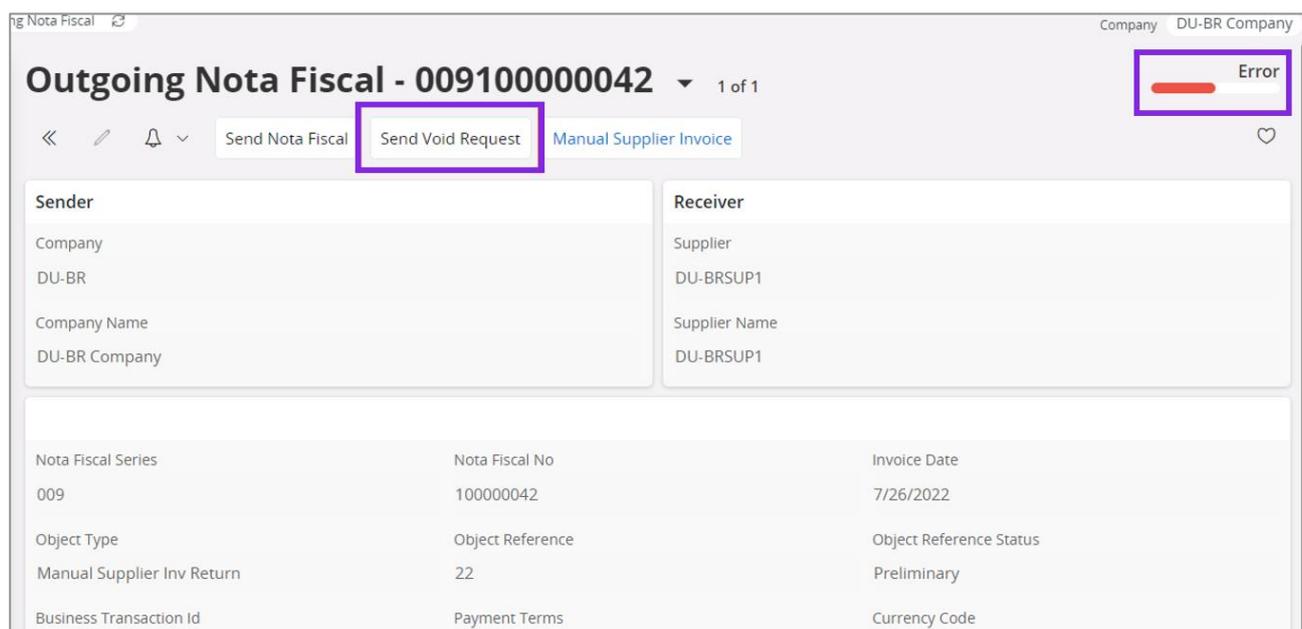
Out Going NF Status	Credit Supplier Invoice Status
Error	Preliminary -Rectify the error and re-send the NFE (Use Same NFe No)

Receive an Error Response which couldn't be fixed

Outgoing NF Status	Credit Supplier Invoice Status
Error	Cancelled (Preliminary Invoice) a) Send Void Request from a Nota Fiscal. b) Approved Void Request- Cancelled the Preliminary state Invoice

When a Nota Fiscal is rejected due to some error in the schema of xml file or some inconsistent information, the Nota Fiscal number can be used again. The companies can fix the issue found in such a Nota Fiscal and process to request authorization again. If the problem cannot be fixed, the Nota Fiscal must be **Voided**. A void request must be sent and approved by the Tax Authority. After the tax authority approved the void request, the Nota Fiscal number cannot be used again.

When the return message from the Tax Authority is "Error", the command **Send Void Request** will be available in the **Outgoing Nota Fiscal** page.



Outgoing Nota Fiscal - 009100000042 1 of 1

Company DU-BR Company

Send Nota Fiscal **Send Void Request** Manual Supplier Invoice

Error

Sender		Receiver	
Company	DU-BR	Supplier	DU-BRSUP1
Company Name	DU-BR Company	Supplier Name	DU-BRSUP1

Nota Fiscal Series	Nota Fiscal No	Invoice Date
009	100000042	7/26/2022
Object Type	Object Reference	Object Reference Status
Manual Supplier Inv Return	22	Preliminary
Business Transaction Id	Payment Terms	Currency Code

The **Send Void Request** command will generate an outgoing xml file representing the request to void the referenced Nota Fiscal number and the Outgoing Nota Fiscal is set to the status “*Sent Void Request*”.

After receiving a void request approval xml file from the tax authority, the NF-e status code will be updated to “102 - Inutilização de número homologado” and the Outgoing NF status is set to “*Voided*”.

Outgoing Nota Fiscal - 009100000031 2 of 7

Voided

Supplier Invoice Analysis
View Vouchers

Sender Company DU-BR Company Name DU-BR Company	Receiver Supplier DU-BRSUP1 Supplier Name DU-BRSUP1
--------------------------------------------------------------------	------------------------------------------------------------------------

Nota Fiscal Series 009	Nota Fiscal No 100000031	Invoice Date 7/21/2022
Object Type Manual Supplier Inv Return	Object Reference 8	Object Reference Status Cancelled
Business Transaction Id	Payment Terms 0	Currency Code BRL

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date 7/21/2022	NF-e Key 352207123456789012346500910000003110020900...	NF-e Protocol No 135180015173174LOL	
NF-e Processing Date 6/20/2022	NF-e Status Code 102	Return Message Autorizado o uso da NF-e	

The connected Credit Supplier Invoice is “Cancelled”.

Supplier Invoice Analysis SCR - 8 1 of 1 Cancelled

[More Information](#)
[Installment Plan and Discounts](#)
[Pre Posting](#)
[Vouchers](#)
[Payment Status](#)

Supplier	DU-BRSUP1 - DU-BRSUP1	Invoice Type	SUPPINV_CR	Series ID	SCR	Invoice No	8
PO Reference	S133006	Receipt Reference		Sub Contract Reference		Project ID	
Invoice Date	7/21/2022	Arrival Date	7/21/2022				
Advance Invoice	No	Notes	No	Correction Invoice	No	Correction Exist	No
On Hold Installment Exists	No	Currency	BRL				
Currency Rate	1.00	Gross Amount	-125.00	Net Amount	-100.00		
Tax Amount	-25.00						

17 Outgoing Nota Fiscal - Triangular Sales and Sales for Future Delivery

17.1 Overview Legal Requirement

There are two business scenarios which requires that two Nota Fiscals should be created for the same transaction – first Nota Fiscal representing the invoice and the second Nota Fiscal representing the delivery.

These scenarios are **Sales for Future Delivery** where invoice is created in advance and the physical delivery is made at a later point, and **Triangular Sales** where invoice Nota Fiscal is made to the customer and the delivery Nota Fiscal is created for the buyer's customer.

17.2 Process Overview

17.2.1 SALES FOR FUTURE DELIVERY



17.2.2 TRIANGULAR SALES



For both scenarios the Customer Invoice is the base for invoice Nota Fiscal, and Outgoing Tax Document is the base for delivery Nota Fiscal. Delivery must always be done through shipment.

17.3 Sales for Future Delivery

Prerequisites:

- Always use shipment delivery
- Same delivery address on all CO lines
- Staged Billing functionality should only be done for 100%, invoicing all lines at the same time, no individual lines, or non-stage billing lines
- Shipment and Customer Order need to be 1 to 1 relationship

17.3.1 CREATE CUSTOMER ORDER AND STAGED BILLING INVOICE

Use IFS Cloud standard functionality to create a Customer Order. Business Transaction ID used on Customer Order header must have a Connected Business Transaction ID. Add staged billing for all order lines – should be 100% of the order line value. Approve staged billing lines and create an invoice representing 100% of all order lines (100% of the order value). Create invoice Outgoing Nota Fiscal and send for approval.

17.3.2 CREATE SHIPMENT

Use IFS Cloud standard functionality to create a shipment for the order delivery. Process the shipment until Completed state.

17.3.3 CREATE OUTGOING TAX DOCUMENT

Since Business Transaction ID has a Connected Business Transaction ID, and invoiced staged billing lines exist, an Outgoing Tax Document is required to be created prior to delivery. From Shipment header the Create Outgoing Tax Document command will be available.

Create the Outgoing Tax Document and deliver the Shipment. If Company is setup for external tax calculations using Brazil Avalara integration, taxes will be calculated on the Outgoing Tax Document at the time of delivery.

17.3.4 CREATE (DELIVERY) OUTGOING NOTA FISCAL

When Shipment is delivered and taxes are calculated on Outgoing Tax Document, the Outgoing Nota Fiscal representing the delivery can be created and processed for approval.

17.4 Triangular Sales

Prerequisites:

- Always use shipment delivery
- Document Address and Delivery Address must differ on all Customer Order lines. Addresses should represent customer and buyers customer.
- Only one Customer Order should be linked to the shipment to avoid complications with multiple invoices or addresses.

17.4.1 CREATE CUSTOMER ORDER

Use IFS Cloud standard functionality to create a Customer Order. Business Transaction ID used on Customer Order header must have a Connected Business Transaction ID. Use different Delivery and Document address on the Customer Order header.

17.4.2 CREATE SHIPMENT

Use IFS Cloud standard functionality to create a shipment for the order delivery. Process the shipment until Completed state.

17.4.3 CREATE OUTGOING TAX DOCUMENT

Since Business Transaction ID has a Connected Business Transaction ID, and document and deliver addresses are different, an Outgoing Tax Document is required to be created prior to delivery. From Shipment header the Create Outgoing Tax Document command will be available.

Create the Outgoing Tax Document and deliver the Shipment. If Company is setup for external tax calculations using Brazil Avalara integration, taxes will be calculated on the Outgoing Tax Document at the time of delivery.

17.4.4 CREATE (INVOICE) OUTGOING NOTA FISCAL

When Shipment is delivered the Customer Invoice can be created and invoice Outgoing Nota Fiscal can be created and processed.

17.4.5 CREATE (DELIVERY) OUTGOING NOTA FISCAL

When invoice Outgoing Nota Fiscal is approved, the Outgoing Nota Fiscal representing the delivery can be created from Outgoing Tax Document and be processed for approval.

17.5 Sales Part Number in Outgoing Tax Document Lines

To enhance clarity and accuracy in tax document, the Sales Part No and Sales Part Description data have been introduced to the Source Part No and Source Part Description columns in the Outgoing Tax Document lines.

Outgoing Tax Document

Q Search Advanced

Status ▾ Tax Document No ▾ Source Ref Type ▾ Created Date ▾ More ▾ Favorites Search

» 162 ▾

+
📄
✎
🔔
▾
Reprint Original from Archive
Posting Analysis
Shipment
View Outgoing Nota Fiscal

Tax Document No	Series ID	Series No	Source Ref Type
162			Shipment
Source Reference	Created Date	Voucher Date	
429	12/23/2024	12/23/2024	

Total Amounts			
Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
900.00	175.91	1075.91	BRL

GENERAL LINES

🔍 ✎

Business Operation	Line No	Source Ref 1	Source Ref 2	Source Part No	Source Part Description	Quantity
6151 - Transferencia de...	1	429	1	BRPART3	Brazilian Part 3	2

17.6 Nota Fiscal Reference in Inventory Transaction History

To improve traceability and compliance, the Delivery Nota Fiscal details are linked to the **Inventory Transaction History** page. This allows users to track inventory transactions with accurate Nota Fiscal references.

1. **Nota Fiscal Item:** Fetches and displays the corresponding line number from the Delivery Nota Fiscal.
2. **Nota Fiscal Number:** Displays the Delivery Nota Fiscal number associated with the transaction.

Inventory Transactions History

Q Search **Advanced** Search with Time Zone

Transaction ID Site Created Nota Fiscal Number Order Ref 1 Performed by More Favorites Search

Nota Fiscal Item	Nota Fiscal Number	Transaction ID	Transaction Code	Part	Site
1	000100148	283756	OESHIP - Ship Inventory Parts	BRPART1 - Brazilian Part1	SP01 - Site SP01

17.7 Outgoing Tax Document Postings

Following Posting Types are used for tax postings created from Outgoing Tax Document for the Sales for Future Delivery and Triangular Sales scenarios:

- **M297** – Tax Disbursed, Intracompany Part Movements
- **M307** – Company Bearing Tax Disbursed, Tax Amount

Control type **EC128 – Business Transaction Code** is enabled for both posting types. Make sure to check whether the mandatory LCC parameter “Brazilian specific fiscal attributes” is enabled and basic data for Business Transaction ID is available to use this Control Type.

Posting Control

Search **Advanced**

Posting Type: M307;M297 Code Part Name Control Type: EC128 More Favorites Search Clear

Filter: + Details Copy Details Set-up Copy to Companies

(1)	Posting Type	Code Part Name	Control Type
<input type="checkbox"/>	M297 - Tax Disbursed, Intracompany Part Movements	Account	EC128 - Business Transaction Code
<input type="checkbox"/>	M307 - Company Bearing Tax Disbursed, Tax Amount	Account	EC128 - Business Transaction Code

17.8 Delimitations

- Non-Inventory Sales Part is not handled
- Package Part is not handled
- Shipment Invoice/Collective invoice should not be used in future delivery scenario
- Collective Invoice should not be used in a Triangular Sales scenario
- References between Nota Fiscals within the same transaction are not handled
- Order addresses are derived from the header. Any line level address changes do not override the scenario logic; the system consistently references header level data
- In the Staged Billing scenario, if two different addresses are detected at the header level, the system interprets it as a Triangular Sales scenario and enables the respective Outgoing Tax Document creation command, even if the stage billing invoices are not created.

18 Integration to Brazilian External Tax System – NF- e Communication

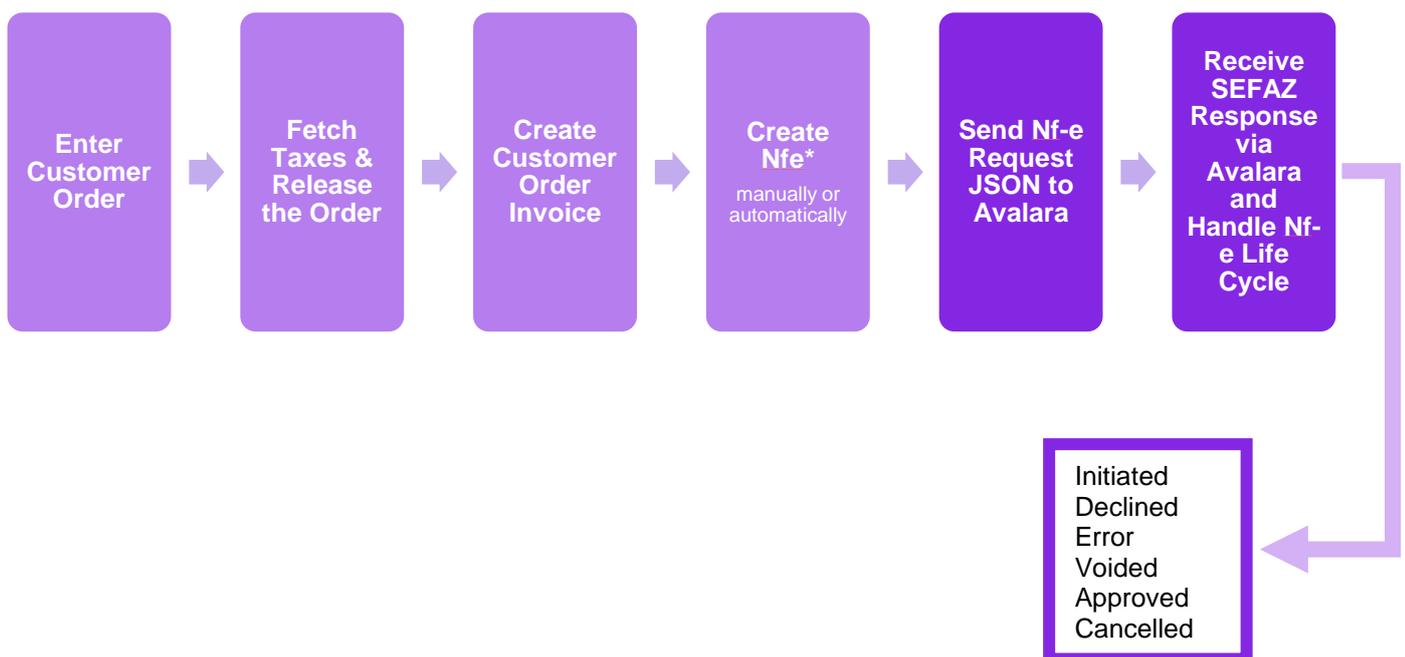
18.1 Overview Business Requirement

In Brazil, the Nota Fiscal is a mandatory official document that must be issued to prove the existence of a commercial act, e.g., sale of goods. It’s a tax document that registers transfer of ownership or possession of a good or commercial activity provided by a company to an individual or another company that is doing business in Brazil.

The NF-e is the Nota Fiscal issued online, which allows real time reporting of transactions to the SEFAZ, which is the state government responsible for taxation and revenue. The NF-e must be sent to SEFAZ for authorization, and the goods may only be sent to the recipient after the Fiscal Note has been accepted by SEFAZ.

To facilitate the process of NFe communication with SEFAZ, IFS developed an integration with Avalara.

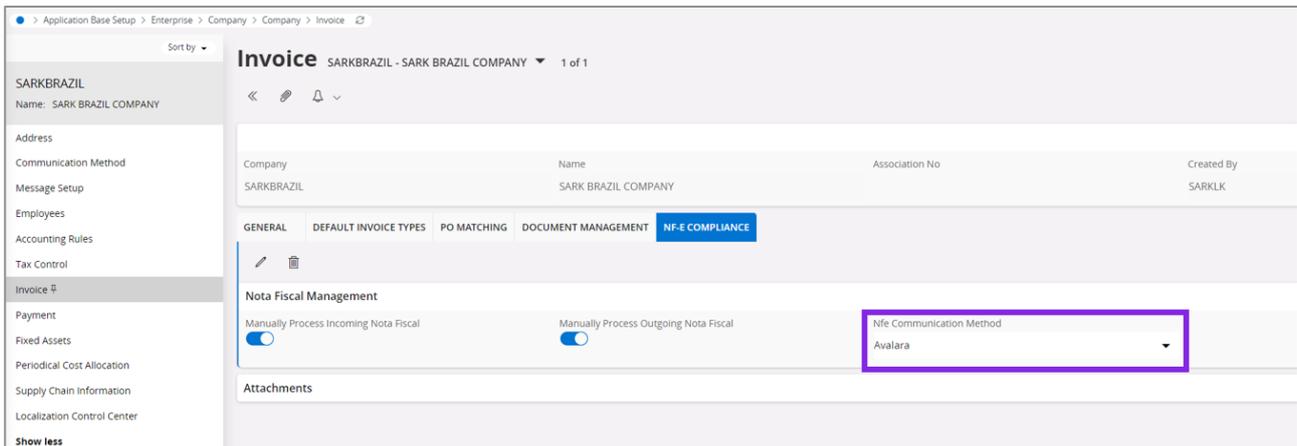
18.2 Process Overview



18.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Integration to Brazilian External Tax System” parameter must be enabled.

Select “Avalara” as the NFe Communication Method in page **Application Base Setup/Enterprise/Company/Company/Invoice** and tab **NF-E COMPLIANCE**.



The screenshot shows the 'Invoice' configuration page for 'SARKBRAZIL - SARK BRAZIL COMPANY'. The 'NF-E COMPLIANCE' tab is active. Under 'Nota Fiscal Management', the 'Nfe Communication Method' is set to 'Avalara'. Other options include 'Manually Process Incoming Nota Fiscal' and 'Manually Process Outgoing Nota Fiscal', both with toggle switches.

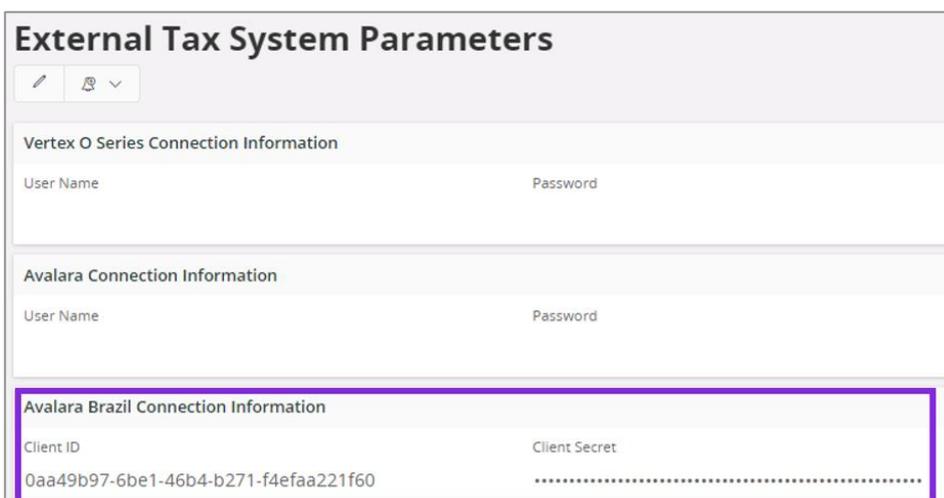
Note that also parameters “Acquisition Origin”, “Business Operation”, “Brazilian Specific Fiscal Attributes”, “Address Specific Tax ID Numbers”, “Goods/Services Statistical Codes”, “Extended Tax Codes Tax Calculation Structures set-up”, “Outgoing Nota Fiscals” and “Use Automatic Generation of Official Invoice Numbers” must be enabled to fulfill data requirements for the Integration. Also, company and customer basic data for tax calculation and Nota Fiscal must be defined. Please see the specific chapters on how to set up the data needed.

18.4 Define Basic Data

In order to utilize the IFS integration for Avalara, some basic data set up is required.

18.4.1 EXTERNAL TAX SYSTEM PARAMETERS

The Avalara Brazil connection information is defined in page **Application Base Setup/Enterprise/Tax/External Tax Systems/External Tax Systems Parameters**.



The screenshot shows the 'External Tax System Parameters' configuration page. The 'Avalara Brazil Connection Information' section is highlighted with a red box. It contains the following fields:

Avalara Brazil Connection Information	
Client ID	Client Secret
0aa49b97-6be1-46b4-b271-f4efaa221f60

18.5 Create Customer Order & Process Customer Order Invoice and Outgoing Nota Fiscal

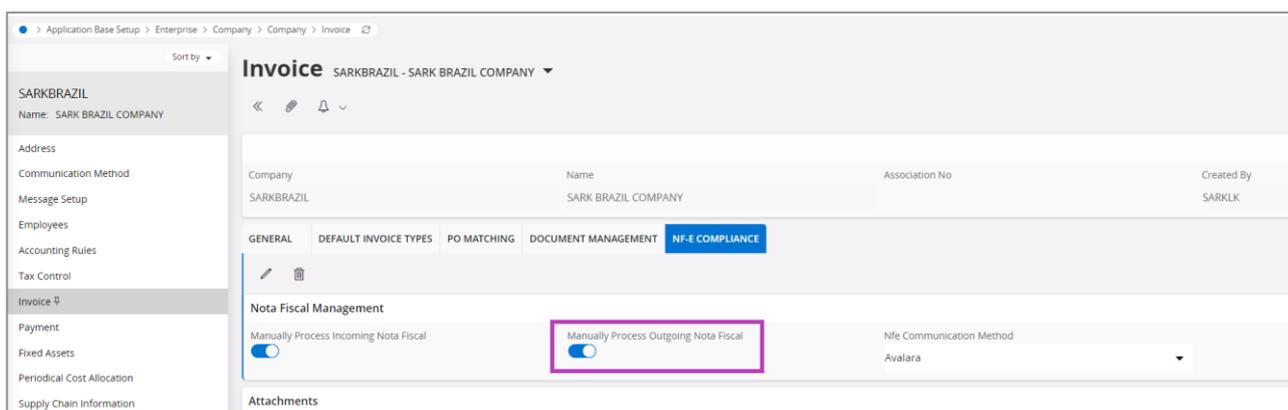
This works in similar way as Outgoing Nota Fiscal XML solution works.
See,

- [12.5 Create Customer Order](#)
- [12.6 Deliver Customer Order](#)
- [12.7 Create Customer Invoice](#)
- [12.8 Create Outgoing Nota Fiscal](#)
- [12.1 Outgoing Nota Fiscal Life Cycle Management](#)

Here JSON request sends to Avalara & JSON response received instead of XML files describe in above chapters.

18.6 Generation of NF-e JSON

JSON request will be sent to Avalara when selecting the command **Send Nota Fiscal** in **Outgoing Nota Fiscal** Page or it will be sent automatically depending on the company level parameter, “Manually Process Outgoing Nota Fiscal”.



The screenshot shows the 'Invoice' configuration page for 'SARKBRAZIL - SARK BRAZIL COMPANY'. The 'NF-E COMPLIANCE' tab is selected, displaying the 'Nota Fiscal Management' section. In this section, the 'Manually Process Outgoing Nota Fiscal' toggle switch is turned on and highlighted with a red box. Other visible settings include 'Manually Process Incoming Nota Fiscal' (turned off) and 'Nfe Communication Method' set to 'Avalara'.

Refer the Appendix 3 to see mapping details of a JSON request

Header Details of Json file

```

{
  "header": {
    "transactionDate": "2022-12-14T00:00:00Z",
    "invoiceAccessKey": "22120410623000019065009000011000100207067",
    "shippingDate": "2022-12-14T00:00:00Z",
    "companyLocation": "04106230000190",
    "documentCode": "92",
    "invoiceNumber": "11000",
    "invoiceSerial": "9",
    "messageType": "goods",
    "locations": {
      "entity": {
        "name": "SARK BRAZIL CUSTOMER",
        "federalTaxId": "60881299000405",
        "stateTaxId": "535377851110",
        "taxRegime": "realProfit",
        "taxesSettings": {
          "icmsTaxPayer": "true"
        },
        "address": {
          "street": "Avenida Santo Antônio",
          "neighborhood": "Bela Vista",
          "zipcode": "06083215",
          "cityName": "Osasco",
          "state": "São Paulo",
          "countryCode": "1058",
          "country": "BRA",
          "number": "2112",
          "complement": "2112"
        },
        "activitySector": {
          "type": "cnae"
        }
      },
      "establishment": {
        "name": "SARK BRAZIL COMPANY",
        "federalTaxId": "04106230000190",
        "stateTaxId": "956224310481",
        "taxRegime": "realProfit",
        "taxesSettings": {
          "icmsTaxPayer": "false"
        },
        "address": {
          "street": "Avenida Tamboré",
          "neighborhood": "Tamboré",
          "zipcode": "06453000",
          "cityName": "Barueri",
          "state": "São Paulo",
          "countryCode": "1058",
          "country": "BRA",
          "number": "267"
        },
        "activitySector": {
          "type": "cnae",
          "code": "4691500"
        }
      }
    }
  },
  "delivery": {
    "name": "SARK BRAZIL CUSTOMER",
    "federalTaxId": "60881299000405",
    "stateTaxId": "535377851110",
    "taxRegime": "realProfit",
    "address": {
      "street": "Avenida Santo Antônio",
      "neighborhood": "Bela Vista",
      "zipcode": "06083215",
      "cityName": "Osasco",
      "state": "São Paulo",
      "countryCode": "1058",
      "country": "BRA",
      "number": "2112",
      "complement": "2112"
    }
  },
  "additionalInfo": {
    "complementaryInfo": "IPI Decreto nº 11.158/22, Artigo 1º, Anexos I, II, III"
  },
  "payment": {
    "bill": {
      "nFat": "207067",
      "vOrig": 208.05,
      "vDiscount": 0,
      "vNet": 208.05
    }
  },
  "goods": {
    "class": "Venda de Mercadoria",
    "tpImp": "1",
    "indFinal": 0,
    "indPres": "1",
    "goal": "Normal",
    "indIntermed": "0",
    "transport": {
      "modFreight": "CIF",
      "volumes": [
        {
          "qVol": "0",
          "specie": "m3",
          "netWeight": 0,
          "grossWeight": 0
        }
      ]
    }
  },
  "invoicesRefs": []
}

```


18.7 Outgoing NF Approved

Once the Outgoing Nota Fiscal is Approved, connected CO Invoice will be automatically Approved. See [12.1.5 Outgoing NF Approved](#) for more details.

Approved response received as below including the links to NF-e XML & DANFE pdf.

```
{
  "key": "35221204106230000190550090000110001989264158",
  "state": "SP",
  "protocol": "135220010995997",
  "status": {
    "code": "100",
    "desc": "Autorizado o uso da NF-e",
    "protocol": "135220010995997",
    "authorizationDateTime": "2022-12-14T00:41:04-03:00",
    "accessKey": "35221204106230000190550090000110001989264158",
    "serial": "9",
    "number": "11000"
  },
  "pdf": {
    "base64": "JVBERi0xLjQKJeLjz9MKMyAwIG9iago8PC9UeXBLL1hPYmplY3QvU3VidH
    "link": "https://homolog.invoicy.com.br//DownloadPDF.aspx?awyUd1fVcX
  },
  "xml": {
    "base64": "PG5mZVByb2MgdmVyc2FvPSI0LjAwIiB4bWxucz0iaHR0cDovL3d3dy5wb3
    "link": "https://homolog.invoicy.com.br//HNUC002.aspx?ParmCript=awyU
  }
}
```

Outgoing Nota Fiscal - 010000080119

Q Search Advanced

Nota Fiscal ID ▾ Nota Fiscal Series ▾ Document Type ▾ Status ▾ More ▾ Favorites Search Saved Searches ▾

Approved

Send Cancel Request Customer Invoice Customer Invoice Postings Analysis Correction Letter

Document Type
Goods Nota Fiscal

Sender		Receiver	
Company	Company Name	Customer	Customer Name
STDBRAZIL	STDBRAZIL	BR DOMESTIC CUST	NF-E EMITIDA EM AMBIENTE DE HOMOLOGA...

...

Amounts

Charge Amounts

LINES ADDRESS GENERAL **NF-E INFORMATION** CC-E INFORMATION

Nota Fiscal Response

NF-e Key	NF-e Protocol No	NF-e Approval Date	NF-e Status Code
3524120410623000019055010000080119100...	135240009547483	31/12/2024	100

Return Message
 Autorizado o uso da NF-e

18.8 Receive Error Response from SEFAZ

See [13.6.10 Received Error response from the Brazilian Tax Authority](#) for more details.

Example of Error response.

```
{
  "error": {
    "code": "206",
    "message": "Rejeição: NF-e já está inutilizada na Base de Dados da SEFAZ"
  }
}
```

Note: There are many error codes defined in SEFAZ & above 206 code is just an example to present.

Outgoing Nota Fiscal - 010000080136

Q Search (24+) Advanced

Nota Fiscal ID | Nota Fiscal Series | Document Type | Status: Error | More | Favorites | Search | Clear | Saved Searches

1 of 24+ | Error

Send Nota Fiscal | Send Void Request | Customer Invoice | Customer Invoice Postings Analysis

Document Type: Goods Nota Fiscal

Sender		Receiver	
Company	Company Name	Customer	Customer Name
STDBRAZIL	STDBRAZIL - PLEASE DON'T CHANGE THE SET...	BR DOMESTIC CUST	NF-E EMITIDA EM AMBIENTE DE HOMOLOGA...

Amounts

Charge Amounts

LINES | ADDRESS | GENERAL | **NF-E INFORMATION**

Nota Fiscal Response

NF-e Key	NF-e Protocol No	NF-e Approval Date	NF-e Status Code
3525010410623000019055010000080136100...			699

Return Message: Rejeição: Percentual do ICMS Interestadual para a UF de destino difere do previsto para o a...

As explained in [13.6.10 Received Error response from the Brazilian Tax Authority](#) user can send void request to SEFAZ.

Outgoing Nota Fiscal - 009000011054

Send Nota Fiscal | **Send Void Request** | Customer Invoice | Customer Invoice Postings Analysis

Sender		Receiver	
Company	Company Name	Customer	Customer Name
SARKBRAZIL	SARK BRAZIL COMPANY	SARKBRAZILCUST	SARK BRAZIL CUSTOMER

Void Request

```
{
  "model": "NFe",
  "serie": 9,
  "companyLocation": "04106230000190",
  "message": "Queda do sistema",
  "init": 11021,
  "end": 11021
}
```

Void Response

```
{
  "code": "102",
  "desc": "Inutilização de número homologado",
  "protocol": "135220011104579",
  "status": {
    "code": "102",
    "desc": "Inutilização de número homologado",
    "protocol": "135220011104579",
    "number": "11021",
    "serial": "9",
    "accessKey": "ID35220410623000019055009000011021000011021",
    "authorizationDateTime": "2022-12-16T05:58:23-03:00"
  },
  "pdf": {
    "base64": {},
    "link": {}
  },
  "xml": {
    "base64": "PFByb2NjbWV0TkZlIHZlcnNhbz0iNC4wMCIgeG1sbmM9Imh0dHA6I",
    "link": "https://homolog.invoicy.com.br//HNUC002.aspx?ParmCript"
  }
}
```

Outgoing Nota Fiscal - 009000011055 Voided

Customer Invoice Customer Invoice Postings Analysis

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date		NF-e Key	NF-e Protocol No
1/4/2023		35230104106230000190650090000110551002201051	
NF-e Status Code		Return Message	NF-e Processing Date
102		Inutilização de número homologado	

18.9 Cancellation of Approved Outgoing Nota Fiscal

The **Send Cancel Request** command will generate Json file representing the request to cancel the referenced Nota Fiscal number.

Outgoing Nota Fiscal - 009000011053 Approved

Send Cancel Request Customer Invoice Customer Invoice Postings Analysis

Cancel Request Json file

```
{
  "message": "Cancelada por informação incorreta de quantidade",
  "timeZone": "-03:00"
}
```

See [12.1.7 Cancellation Request sent to the Approved Outgoing NF](#) for more details.

Once the Outgoing Nota Fiscal cancellation request is accepted by the Brazilian Tax Authority, Cancelled response message will be received to IFS Cloud via Avalara.

See [12.1.8 Cancel Approved Outgoing NF](#) for more details.

Approved Cancellation Response

```
{
  "status": {
    "code": "101",
    "desc": "Cancelamento de NF-e homologado",
    "protocol": "135220011104407"
  },
  "xml": {
    "base64": "PHByb2NFdmVudG90RmUgdmVyc2FvPSIxLjAwIiB4bWxucz
    "link": "https://homolog.invoicy.com.br//HNUC002.aspx?Pa
  }
}
```

Outgoing Nota Fiscal - 009000011070 Cancelled

Customer Invoice Customer Invoice Postings Analysis

LINES	ADDRESS	GENERAL	NF-E INFORMATION
Issue Date			NF-e Key
1/4/2023			35230104106230000190650090000110701002201066
			NF-e Protocol No
			135230000043128
			NF-e Processing Date
NF-e Status Code			Return Message
101			Cancelamento de NF-e homologado

19 Integration to Brazilian External Tax System - Tax Determination for Services

19.1 Overview of Legal Requirement

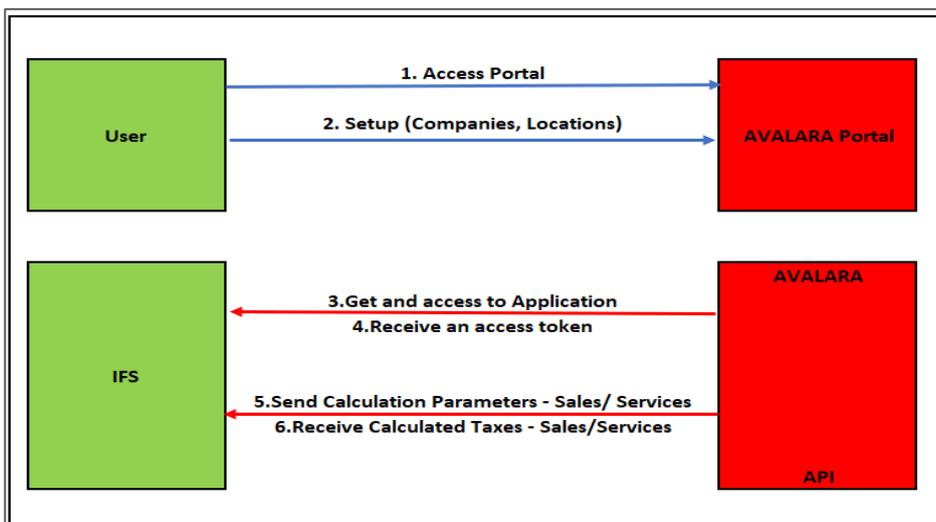
In Brazil, the calculation of taxes for services is a fundamental aspect of financial management and regulatory compliance. When providing services, companies must calculate the multiple service-related taxes that are applicable. The tax landscape includes various levies based on the nature and value of the services rendered. Accurately applying these taxes is not only a legal requirement but also essential for financial transparency and an important aspect when operating in the country.

19.2 Other Business Objectives

1. Enabling the User to calculate the specific taxes relevant for providing services.
2. Enabling the user to identify and record the Withholding taxes for the services provided.
3. Creating the Outgoing Nota Fiscal for services and manually approving the Outgoing Nota Fiscal

19.3 Process Overview

19.3.1 INTEGRATION OVERVIEW EXAMPLE



19.3.2 PROCESS OVERVIEW WITH CUSTOMER ORDER SALES OF SERVICES

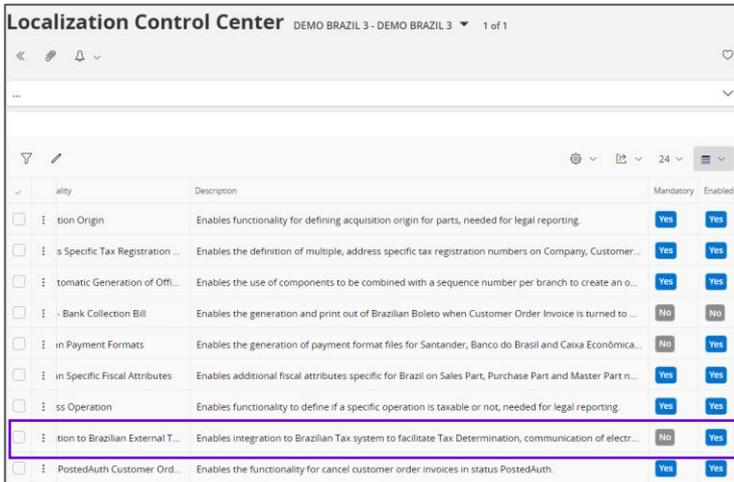


19.3.3 PROCESS OVERVIEW WITH PURCHASE ORDER PURCHASING OF SERVICES



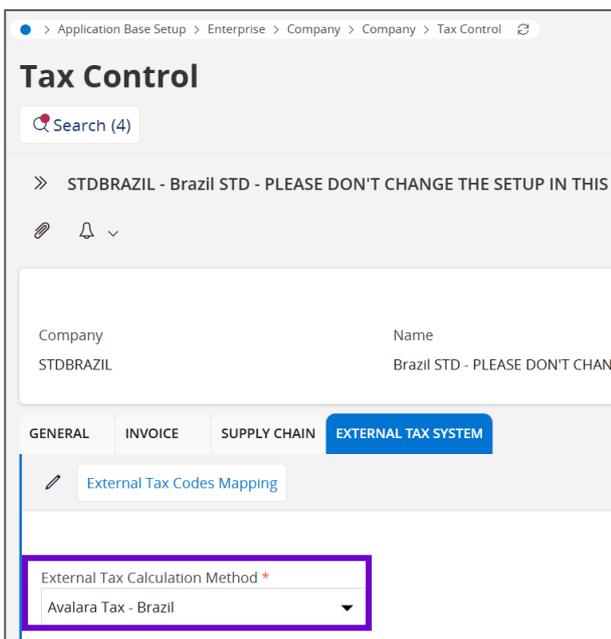
19.4 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Integration to Brazilian External Tax System” parameter must be enabled.



Parameter	Description	Mandatory	Enabled
Acquisition Origin	Enables functionality for defining acquisition origin for parts, needed for legal reporting.	Yes	Yes
Address Specific Tax Registration ...	Enables the definition of multiple, address specific tax registration numbers on Company, Customer...	Yes	Yes
Automatic Generation of Offi...	Enables the use of components to be combined with a sequence number per branch to create an o...	Yes	Yes
Bank Collection Bill	Enables the generation and print out of Brazilian Boletto when Customer Order Invoice is turned to ...	No	No
Payment Formats	Enables the generation of payment format files for Santander, Banco do Brasil and Caixa Econômica...	No	Yes
Specific Fiscal Attributes	Enables additional fiscal attributes specific for Brazil on Sales Part, Purchase Part and Master Part n...	Yes	Yes
Goods Operation	Enables functionality to define if a specific operation is taxable or not, needed for legal reporting.	Yes	Yes
Integration to Brazilian External T...	Enables integration to Brazilian Tax system to facilitate Tax Determination, communication of electr...	No	Yes
PostedAuth Customer Ord...	Enables the functionality for cancel customer order invoices in status PostedAuth.	Yes	Yes

Select “Avalara Tax - Brazil” as the External Calculation Method in page **Application Base Setup/Enterprise/Company/Company/Tax Control** and **tab External Tax System**.



Application Base Setup > Enterprise > Company > Company > Tax Control

Tax Control

Search (4)

STDBRAZIL - Brazil STD - PLEASE DON'T CHANGE THE SETUP IN THIS

Company: STDBRAZIL | Name: Brazil STD - PLEASE DON'T CHAN

Tabs: GENERAL | INVOICE | SUPPLY CHAIN | **EXTERNAL TAX SYSTEM**

External Tax Codes Mapping

External Tax Calculation Method *
Avalara Tax - Brazil

The prerequisites for IFS Cloud to communicate with Avalara is that the tax liability on the customer address is set to TAX and the Non-Inventory sales part is taxable.

Note that the parameters “Brazilian Specific Fiscal Attributes”, “Address Specific Tax ID Numbers”, “Goods/Services Statistical Codes”, “Extended Tax Codes Tax Calculation Structures set-up”, “Outgoing Nota Fiscals” and “Use Automatic Generation of Official Invoice Numbers” must be enabled to fulfill data requirements for the Integration. The company and customer basic data for tax calculation and Nota Fiscal must be defined. Please see the specific chapters on how to set up the data needed.

19.5 Define Basic Data

To utilize the IFS integration for Avalara, some basic data set up is required with regards to the Tax Codes, the Company, the Customer, Part, and Sales Parts for sales flow.

Application Base Setup > Enterprise > Tax > External Tax Systems > External Tax System Parameters

External Tax System Parameters

Verify Avalara Connection

Vertex O Series Connection Information			
User Name	Password	Trusted ID	Version
IFS_API_User	*****	*****	9

Avalara Connection Information	
User Name	Password
1100062974	*****

Avalara Brazil Connection Information	
Client ID	Client Secret
0aa49b97-6be1-46b4-b271-f4efaa221f60	*****

19.5.1 DISABLE CUSTOMER TAX CODE VALIDATIONS

Tax Control

BNFX - BLUE NOTE GUITAR EFFECTS - IFS CLOUD 24R1 1 of 1

Company: BNFX Name: BLUE NOTE GUITAR EFFECTS - IFS CLOUD 24R1

GENERAL | INVOICE | SUPPLY CHAIN | EXTERNAL TAX SYSTEM

Customer Tax Code Validation

Object Level Address Level Transaction Level

19.5.2 DEFINE TAX INTEGRATION PARAMETERS FOR SALES

Enable the toggle “Refresh Tax Information at Release of Customer Order/Sales Quotation” or “Automatic Fetch of Tax Information at Part/Charge Line Entry” in page **Application Base Setup/Enterprise/Company/Company/Tax Control** and tab **External Tax System**.

GENERAL INVOICE SUPPLY CHAIN **EXTERNAL TAX SYSTEM**

External Tax Codes Mapping

External Tax Calculation Method *
Avalara Tax - Brazil

Generic Tax Codes

City County District State

Tax Integration Parameters for Sales

Refresh Tax Information at Release of Customer Order/Sales Quotation

Automatic Fetch of Tax Information at Part/Charge Line Entry

19.5.3 ENTER 0% TAX CODES FOR THE BRAZILIAN TAX TYPES

Enter the Tax Codes with types 'Tax' and/or 'Tax Withholding' per tax type category with 0% in page **Accounting Rules/Tax/Tax Codes**. The 0-percentage rate will be replaced by the correct percentage rate for the specific tax scenario in transaction level based on the tax response from 3rd party tax determination engine Avalara.

Tax Codes

✓	Tax Code	Description	Tax Type	Tax (%)	Deductible (%)	Tax Type Category	Valid From	Valid To	Tax Method Tax Received
<input type="checkbox"/>	PIS-RT	PIS Withholding	Tax Withhold	1,65	100	PIS/RF	10/11/2023	31/12/2049	Payment
<input type="checkbox"/>	PIS-RET	PIS Withholding	Tax Withhold	0	100	PIS/RF	10/11/2023	31/12/2049	Payment
<input type="checkbox"/>	PIS-R	PIS Withholding	Tax	0	100	PIS/RF	10/11/2023	31/12/2049	Payment
<input type="checkbox"/>	PIS-N	PIS Withholding	Tax	0	100	PIS	10/11/2023	31/12/2049	Payment
<input type="checkbox"/>	ISS-N	Generic Tax Code for ISS	Tax	0	100	ISS	10/11/2023	31/12/2049	Payment
<input type="checkbox"/>	ISS	Generic Tax Code for ISS Withholding	Tax Withhold	0	100	ISS/RF	01/01/2024	31/12/2049	Invoice Entry
<input type="checkbox"/>	IRRF-RET	IRRF Withholding	Tax Withhold	0	100	IRRF	10/11/2023	31/12/2049	Payment
<input type="checkbox"/>	IRRF-N	PIS Withholding	Tax	0	100	IRRF	10/11/2023	31/12/2049	Payment
<input type="checkbox"/>	IRPJ-RET	IRPJ Withholding	Tax Withhold	0	100	IRPJ	10/11/2023	31/12/2049	Payment
<input type="checkbox"/>	IRPJ-N	PIS Withholding	Tax	0	100	IRPJ	10/11/2023	31/12/2049	Payment

Next select the command **External Tax Code Mapping** in the page **Application Base Setup/Enterprise/Company/Company/Tax Control** and tab **External Tax System**. Connect the pre-defined 0% tax codes, type 'Tax' and/or 'Tax Withholding' for each Tax Type Category:

Tax Control

DEMO BRAZIL 3 - DEMO BRAZIL 3 ▼ 1 of 1

Company: DEMO BRAZIL 3 | Name: DEMO BRAZIL 3
 Created By: PUGULK

GENERAL | INVOICE | SUPPLY CHAIN | **EXTERNAL TAX SYSTEM**

External Tax Codes Mapping

External Tax Calculation Method: Avalara Tax - Brazil ▼

External Tax Codes Mapping

✓	Tax Type Category	Tax Code	Tax (%)	Tax In Tax Base	Tax Type
<input type="checkbox"/>	ISS	BR-ISS - Generic Tax Code for ISS	0	No	Tax
<input type="checkbox"/>	ISS/RF	BR-ISS-RET - Generic Tax Code for ISS Withholding	0	No	Tax Withhold
<input type="checkbox"/>	PIS	BR-PIS - Generic Tax Code for PIS	0	Yes	Tax
<input type="checkbox"/>	COFINS/RF	COFINS-RET - COFINS Withholding	0	No	Tax Withhold
<input type="checkbox"/>	CSLL/RF	CSLL-RET - CSLL Withholding	0	No	Tax Withhold
<input type="checkbox"/>	INSS/RF	INSS-RET - INSS Withholding	0	No	Tax Withhold
<input type="checkbox"/>	IRPJ	IRPJ-N - PIS Withholding	0	No	Tax
<input type="checkbox"/>	IRRF	IRRF-RET - IRRF Withholding	0	No	Tax Withhold
<input type="checkbox"/>	PIS/RF	PIS-RET - PIS Withholding	0	No	Tax Withhold

19.5.4 GOODS/SERVICES STATISTICAL CODES

The Goods/Services Statistical Codes are used in context of services to handle the Service Codes listed in the federal list provided by Brazilian government, which concerns the legislation about tax on services of any nature (LC116).

Enter the service codes in the **Application Base Set Up/General Data/Goods/Services Statistical Codes** page as follows:

Goods/Services Statistical Codes

+ Translation

✓		Goods/Services Statistical Code	Description	Validity
<input type="checkbox"/>	:	01.06	Assessoria e consultoria em informática	Active
<input type="checkbox"/>	:	01023911	Pregnant or with calf at the foot	Active
<input type="checkbox"/>	:	03021400	Atlantic Salmon	Active
<input type="checkbox"/>	:	04.03	Laboratórios.	Active
<input type="checkbox"/>	:	12.01	Theatrical performances	Active
<input type="checkbox"/>	:	12.02	Exibições cinematográficas.	Active
<input type="checkbox"/>	:	12.09	Boliche.	Active

19.5.5 DEFINE THE NON-INVENTORY SALES PART

In the **Non-Inventory Sales Part** page, define the service item, with Category 'Service':

Non-Inventory Sales Part

BOWLING - Boliche. - S2234 1 of 5

[Complementary Parts](#) [Document Text](#) [Connect Services](#) [Customer Warranty](#)

Sales Part No	Part Description in Use	Site	Sales Type
BOWLING	Boliche.	S2234	Sales Only
Category	Active		
Service	<input checked="" type="checkbox"/>		

GENERAL | DESCRIPTIONS | CHARACTERISTICS | CHARGES

Intrastat	Sourcing
Unit of Measure	Grouping
Sales UoM	Sales Price Group
HOUR	* - IFS Applications
Price Conv Fact	Sales Group
1	DEKOM - Komponente
Price UoM	Discount Group
HOUR	
	Rebate Group

Connect the predefined Goods/Services Statistic code in the non-inventory sales part, type Service:

Non-Inventory Sales Part BOWLING - Boliche. - S2234 1 of 5

Complementary Parts Document Text Connect Services Customer Warranty

Sales Part No: BOWLING Part Description in Use: Boliche. Site: S2234 Sales Type: Sales Only

Category: Service Active

GENERAL DESCRIPTIONS CHARACTERISTICS CHARGES

Intrastat: Sourcing

Unit of Measure: Grouping

Pricing: Tax

GTIN: Miscellaneous

Indicators: Replacement Part

Goods/Services Statistical Code: 12.09 - Boliche.

Attachments

19.5.6 DEFINE CITY CODES FOR NON-INVENTORY SALES PART

User needs to define the service codes for the services offered by the Company according to the lists provided by the respective city halls in different cities where the company's Sites and the Customers are situated.

Example:

Company's Address

State: São Paulo

City: São Paulo

Customer's Address

State: São Paulo

City: Osasco

- This is the Service Code for service **"Boliche"** in the list of services codes made available by the city of São Paulo:

Tabela de códigos de serviços (ISS) de São Paulo (SP)

A última versão da tabela de códigos de serviços de São Paulo foi publicada em 2011 e atualizada a partir da Instrução Normativa SF/SUREM nº 23, de 22 de dezembro de 2017. Na tabela abaixo, você encontra todos os serviços que são tributados em São Paulo Saiba quanto deve ser recolhido de Imposto Sobre Serviços a cada nota fiscal.

Boliche.

Cod IBGE	Lei 116	Código	Descrição	Alíquota	Base Legal
3550308	12.09	08320	Boliche.	5,00%	ANEXO 1 IN SF/SUREM Nº 8/2011

- This is the Service Code for service **"Boliche"** in the list of services codes made available by

the city of Osasco:

Na tabela abaixo, você encontra todos os serviços que são tributados em Osasco. Saiba quanto deve ser recolhido de Imposto Sobre Serviços a cada nota fiscal.

Boliche Q

Cod IBGE	Lei 116	Código	Descrição	Alíquota	Base Legal
2304400	12.09	932980201	Exploração de boliche.	5,00%	LEI COMPLEMENTAR Nº 159

Both service codes must be connected in the City Codes per Non-Inventory Sales Part:

City Codes Per Non-Inventory Sales Parts

« + 📄 ✎ 🗑️ 🔔 ∨

Sales Part No	Part Description in Use	Site
BOWLING	Boliche.	S2234

Labour Assignment

Service Codes Per City

🔍 + ✎

<input checked="" type="checkbox"/>	City Code	Service Code
<input type="checkbox"/>	OSA - Osasco	932980201
<input type="checkbox"/>	SAO - São Paulo	08320

19.5.7 ENABLE THE CUSTOMER FOR TAX WITHHOLDING

Enable the Customer to record the withholding taxes as follows.

Sort by

Address

PUGULK CUST 1 - PUGULK CUST 1 1 of 1

« ✎ 🔔 ∨

Customer	Name	Association No
PUGULK CUST 1	PUGULK CUST 1	

Address ID: NO 12

🔍 + 📄 ✎ 🗑️

... ∨ End Customer

GENERAL ADDRESS INFORMATION **DELIVERY TAX INFORMATION** DOCUMENT TAX INFORMATION SALES ADDRESS INFORMATION

Company: DEMO BRAZIL 3 - DEMO BRAZIL 3

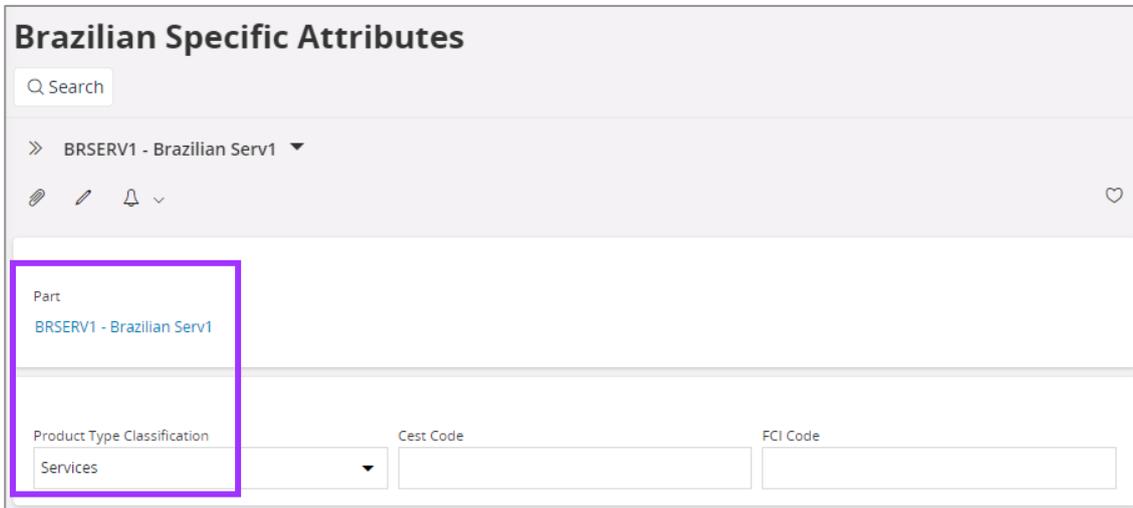
🔍 + 📄 ✎ 🗑️ Customer Tax Withholding IPD Tax Information

Tax Withholding	Tax Rounding Method	Tax Rounding Level
Tax Withhold	Round to the Nearest	Specified on company

Business Transaction ID: 100 - Venda de Mercadorias ICMS Tax Payer

19.5.8 DEFINE THE NON-INVENTORY PURCHASE PART

In the **Master Part – Part – Brazilian Specific Attributes** page, define the service item, with Product Type Classification ‘Service’:



Brazilian Specific Attributes

Q Search

>> BRSERV1 - Brazilian Serv1 ▾

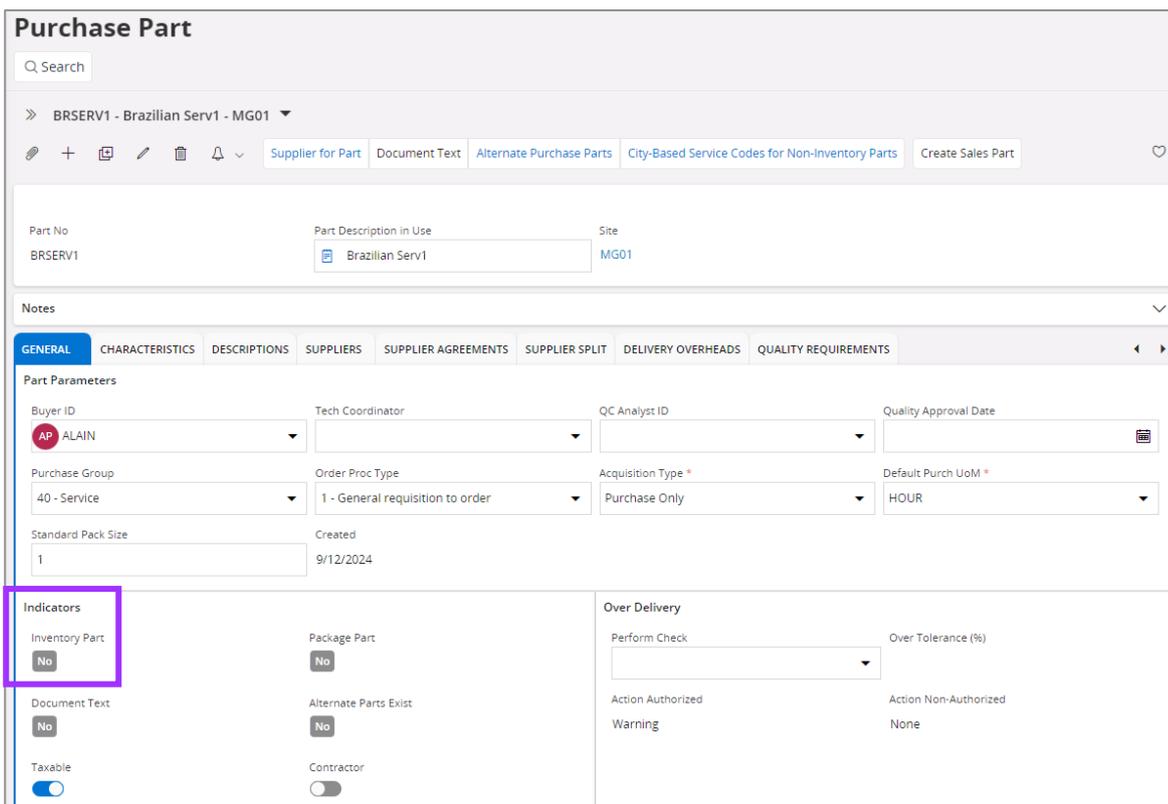
Part
BRSERV1 - Brazilian Serv1

Product Type Classification: Services

Cest Code:

FCI Code:

Create a non-inventory Purchase Part



Purchase Part

Q Search

>> BRSERV1 - Brazilian Serv1 - MG01 ▾

Part No: BRSERV1 | Part Description in Use: Brazilian Serv1 | Site: MG01

Notes

GENERAL | CHARACTERISTICS | DESCRIPTIONS | SUPPLIERS | SUPPLIER AGREEMENTS | SUPPLIER SPLIT | DELIVERY OVERHEADS | QUALITY REQUIREMENTS

Part Parameters

Buyer ID: ALAIN | Tech Coordinator: | QC Analyst ID: | Quality Approval Date:

Purchase Group: 40 - Service | Order Proc Type: 1 - General requisition to order | Acquisition Type *: Purchase Only | Default Purch UoM *: HOUR

Standard Pack Size: 1 | Created: 9/12/2024

Indicators

Inventory Part: No

Document Text: No

Taxable: Yes

Package Part: No

Alternate Parts Exist: No

Contractor:

Over Delivery

Perform Check:

Action Authorized: Warning

Action Non-Authorized: None

Connect the predefined Goods/Services Statistic code in the non-inventory part, type Service:

Purchase Part

Q Search

» BRSERV1 - Brazilian Serv1 - MG01

Supplier for Part Document Text Alternate Purchase Parts City-Based Service Codes for Non-Inventory Parts Create Sales Part

Part No: BRSERV1 Part Description in Use: Brazilian Serv1 Site: MG01

Notes

GENERAL CHARACTERISTICS DESCRIPTIONS SUPPLIERS SUPPLIER AGREEMENTS SUPPLIER SPLIT DELIVERY OVERHEADS QUALITY REQUIREMENTS

Part Parameters

Indicators

Inventory Part: No Package Part: No

Document Text: No Alternate Parts Exist: No

Taxable: On Contractor: Off

Over Delivery

Perform Check: Over Tolerance (%):

Action Authorized: Warning Action Non-Authorized: None

Goods/Services Statistical Code

Goods/Services Statistical Code: 12.09 - Bilhares, boliches e diversoes eletronicas ou nao.

Goods/Services Statistical Code for Manuf:

19.5.9 DEFINE CITY CODES FOR NON-INVENTORY PURCHASE PART

User needs to define the service codes for the services offered by the Company according to the lists provided by the respective city halls in different cities where the company's Sites and the Customers are situated.

Example:

Supplier's Address

State: São Paulo

City: São Paulo

Supplier's Address

State: São Paulo

City: Osasco

- This is the Service Code for service **"Boliche"** in the list of services codes made available by the city of São Paulo:

Tabela de códigos de serviços (ISS) de São Paulo (SP)

A última versão da tabela de códigos de serviços de São Paulo foi publicada em 2011 e atualizada a partir da Instrução Normativa SF/SUREM nº 23, de 22 de dezembro de 2017. Na tabela abaixo, você encontra todos os serviços que são tributados em São Paulo Saiba quanto deve ser recolhido de Imposto Sobre Serviços a cada nota fiscal.

Boliche. Q

Cod IBGE	Lei 116	Código	Descrição	Alíquota	Base Legal
3550308	12.09	08320	Boliche.	5,00%	ANEXO 1 IN SF/SUREM Nº 8/2011

- This is the Service Code for service “**Boliche**” in the list of services codes made available by the city of Osasco:

Na tabela abaixo, você encontra todos os serviços que são tributados em Osasco. Saiba quanto deve ser recolhido de Imposto Sobre Serviços a cada nota fiscal.

Boliche Q

Cod IBGE	Lei 116	Código	Descrição	Alíquota	Base Legal
2304400	12.09	932980201	Exploração de boliches.	5,00%	LEI COMPLEMENTAR Nº 159

Both service codes must be connected in the City Codes per Non-Inventory Part where BRSERV1 represents the service Boliche:

City-Based Service Codes per Non-Inventory Part

Q Search

» ▼

+     ▼

Part No	Part Description	Labour Assignment
BRSERV1	Brazilian Serv1	<input type="checkbox"/>

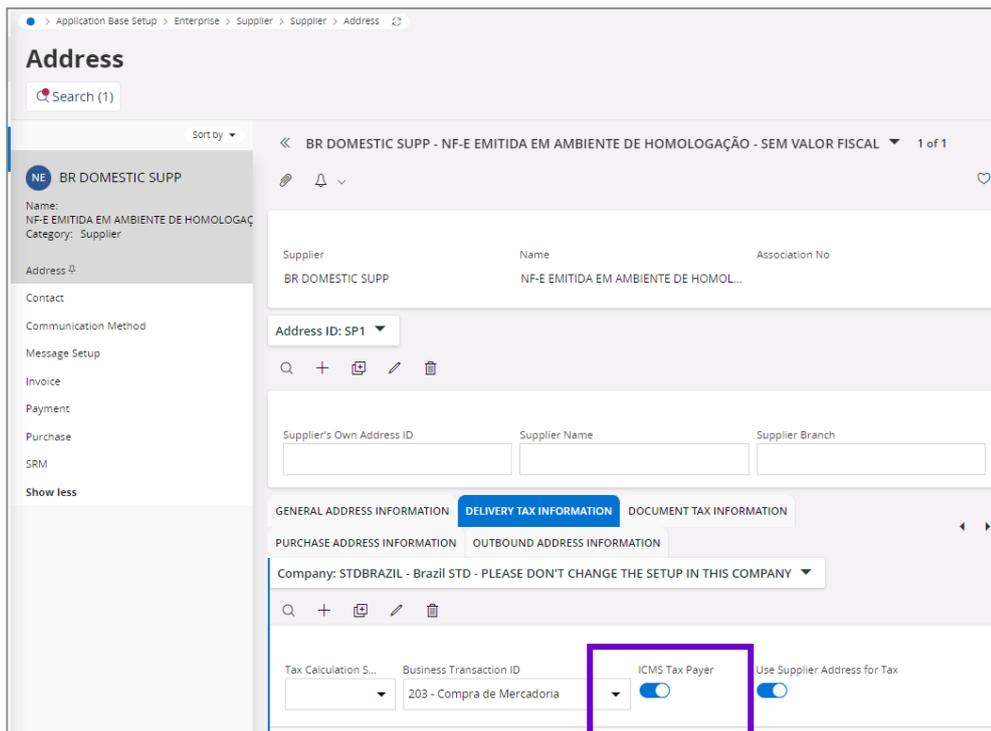
Service Codes Per City

▼ +   ▼  ▼

City Code	Service Code
<input type="checkbox"/> : OSA - Osasco	08320
<input type="checkbox"/> : SAO - São Paulo	932980201

19.5.10 ENABLE THE SUPPLIER FOR TAX WITHHOLDING

Enable the Supplier to record the withholding taxes as follows.



The screenshot shows the 'Address' configuration page for a supplier named 'BR DOMESTIC SUPP'. The page is divided into several sections:

- Header:** 'Address' title and search bar.
- Supplier Information:** Name 'BR DOMESTIC SUPP', Association No.
- Address ID:** 'SP1'.
- Supplier's Own Address ID, Supplier Name, Supplier Branch:** Input fields.
- Tax Information Tabs:** 'GENERAL ADDRESS INFORMATION', 'DELIVERY TAX INFORMATION' (highlighted), 'DOCUMENT TAX INFORMATION', 'PURCHASE ADDRESS INFORMATION', 'OUTBOUND ADDRESS INFORMATION'.
- Company:** 'STDBRAZIL - Brazil STD - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY'.
- Tax Calculation S...:** Dropdown menu.
- Business Transaction ID:** '203 - Compra de Mercadoria'.
- ICMS Tax Payer:** Toggle switch (highlighted in red, currently on).
- Use Supplier Address for Tax:** Toggle switch (currently on).

19.6 Create Sales Quotation for Non-Inventory Sales Part

For Non-Inventory Sales in Sales Quotation, a new tax Calculated/Fetches is initiated resulting in new tax requests being sent to Avalara under the following circumstances:

- New Sales Quotation line is added.
- Sales Qty is updated
- Sales Price is updated
- Quotation Address is updated
- Quotation Line Address is updated
- Goods/Services Statistical Code is updated
- Acquisition Reason Id is updated
- Order is Released

User can decide whether the taxes are Calculated/Fetches upon, "Release of Sales Quotation" or "SQ Line Entry Level". This is controlled by the IFS Cloud core functionality, **Company/Tax Control/External Tax System** tab, "Tax Integration Parameters for Sales".

GENERAL INVOICE SUPPLY CHAIN **EXTERNAL TAX SYSTEM**

[External Tax Codes Mapping](#)

External Tax Calculation Method *
Avalara Tax - Brazil

Generic Tax Codes

City County District State

Tax Integration Parameters for Sales

Refresh Tax Information at Release of Customer Order/Sales Quo...

Automatic Fetch of Tax Information at Part/Charge Line Entry

After service-related taxes are returned from External Tax System, the taxable taxes details can be verified through the option Tax Lines in the Sales Quotation Line.

Sales > Quotation > Sales Quotation

Sales Quotation

Search (4) Advanced Search with Time Zone

Status Quotation No Wanted Delivery Date/Time Coordinator Customer Created: 2025-01-22 More Favorites Search Clear

P1229 3 of 4

+ Status Share Operations Sales Promotions Quotation History Copy Quotation Create Lines from Template Document Text

Quotation No: P1229 Customer: IPBRCU - IP Brazil Customer Category: Customer Site: SP01 Wanted Delivery Date/Time:

Sales Quotation Amounts

Total Net Amount/Base	Total Contribution Margin...	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
1730,00 BRL	1225,00 BRL	99,59	1730,00 BRL	436,28 BRL	2166,28 BRL

LINES RENTAL LINES CHARGES QUOTATION DETAILS INVOLVED PARTIES BUSINESS ACTIVITIES

Price Query Quotation Line Discount Price Breaks Quotation Line Taxes Recalculate Price/Currency Manage Contribution Margin

Customer Sales Qty	Customer's UoM	Cost	Gross Amt/Base	Tax Code	Configurable	Configuration Id
(1)		5,00			No	

Attachments

Taxable taxes percentages are recorded over the 0-percentage Tax Codes predefined in the External Tax Codes Mapping for given the company.

Quotation Line Tax Lines

Gross Amount	Net Amount	Tax Amount
84,79	80,00	4,79

	Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base	Impact On Net Amount	CST Code	Legal Tax Class	Tax Type Category
⋮	84,79	COFINS	Tax	3	2,54	2,54	Tax Inclusive	01		COFINS
⋮	84,79	CSLL	Tax	0	0,00	0,00	Tax Inclusive	01		CSLL
⋮	84,79	ISS	Tax	2	1,70	1,70	Tax Inclusive	01		ISS
⋮	84,79	PIS	Tax	0,65	0,55	0,55	Tax Inclusive	01		PIS

The messaging standard is supported by the application messages, with an authentication token provided for each call to the third-party partner's API.

Application Messages 1836635 1 of 1

[View all Messages for this Queue and Status](#)
[Move To Queue](#)
[Message Queue Settings](#)
[Duplicate And Release](#)

Input Message Data

Name
 MESSAGE_REQUESTS.js...

Output Message Data

Name
 MESSAGE_RESPONSE.txt

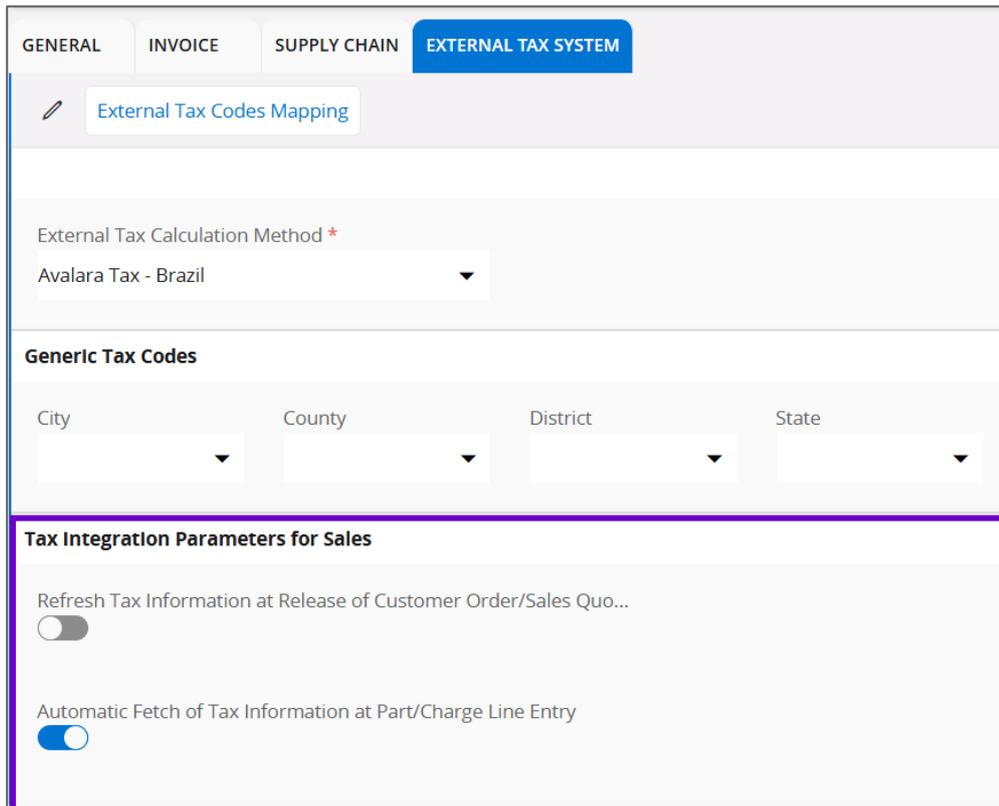
19.7 Create Customer Order for Non-Inventory Sales Part

For Non-Inventory Sales Customer Order, a new tax Calculated/Fetched is initiated resulting in new tax requests being sent to Avalara under the following circumstances:

- New customer order line is added.
- Sales Qty is updated
- Sales Price is updated
- Order Address is updated
- Order Line Address is updated
- Goods/Services Statistical Code is updated
- Acquisition Reason Id is updated

- Order is Released

User can decide whether the taxes are Calculated/etched upon, “Release of Customer Order” or “CO Line Entry Level”. This is controlled by the IFS Cloud core functionality, **Company/Tax Control/External Tax System** tab, “Tax Integration Parameters for Sales”.



GENERAL INVOICE SUPPLY CHAIN **EXTERNAL TAX SYSTEM**

[External Tax Codes Mapping](#)

External Tax Calculation Method *

Avalara Tax - Brazil

Generic Tax Codes

City County District State

Tax Integration Parameters for Sales

Refresh Tax Information at Release of Customer Order/Sales Quo...

Automatic Fetch of Tax Information at Part/Charge Line Entry

After service-related taxes are returned from External Tax System, the taxable taxes details can be verified through the option Tax Lines in the Customer Order Line:

Customer Order P11633 1 of 1

[Share](#) [Operations](#) [Invoice](#) [RMA](#) [Related Pages](#) [Copy Order](#) [Order History](#) [Sales Promotions](#) [Commissions](#) [Project](#) [Access](#)

Order No: P11633 Customer: NE RCA CUST - NFE EMITIDA EM AMBIENTE DE HOMOLOGACAO... Site: SP01 Order Type: NO Wanted Delivery Date/Time: 12/02/2024 00:00

Order Amounts
 Total Net Amount/Base: 400,00 BRL Total Contribution Margin/Base: 150,00 BRL Contribution Margin(%): 37,50
 Total Net Amount/Curr: 400,00 BRL Total Tax Amount/Curr: 22,60 BRL Total Gross Amount/Curr: 422,60 BRL

LINES RENTAL LINES ORDER DETAILS CHARGES INVOLVED PARTIES

[Status](#) [Line Details](#) [Operations](#) [Reservation](#) [RMA](#) [Supply/Service Objects](#) [Capability Check](#) [Sourcing](#) [Create Job](#) [Close Job](#)

Line No	Del No	Sales Pd	Sales Qty	BR Unit Price	Sales UoM	Confirmed	Price/Curr	Price Incl Tax/Curr	Price UoM
1	1	F0609	5	80,00	h	Yes	80,00	84,69	h

Attachments
[Price Query](#)
[Order Line Discount](#)
[Order Line Taxes](#)
[Order Line Milestones](#)
[Staged Billing Profile](#)
Commission
[View/Edit Order Line Commissions](#)
[Update Calculated Commissions](#)
[Update All Commissions](#)
[Order Line History](#)

Taxable taxes percentages are recorded over the 0-percentage Tax Codes predefined in the External Tax Codes Mapping for given the company:

Customer Order Line Tax Lines

Gross Amount	Net Amount	Tax Amount
422,60	400,00	22,60

Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base	CST Code	Legal Tax Class	Tax Type Category
400,00	BR-COFINS	Tax	3	12,00	12,00	01		COFINS
400,00	BR-CSLL	Tax	0	0,00	0,00	01		CSLL
400,00	IRPJ-N	Tax	0	0,00	0,00			IRPJ
400,00	BR-ISS	Tax	2	8,00	8,00	01		ISS
400,00	BR-PIS	Tax	0,65	2,60	2,60	01		PIS

[OK](#) [Cancel](#)

Application Messages 1836635 ▾ 1 of 1

⏪ 🔔 ▾ [View all Messages for this Queue and Status](#) [Move To Queue](#) [Message Queue Settings](#) [Duplicate And Release](#) ❤️

...

Input Message Data

🔍 [Settings] [Copy] [24] [Menu]

✓	Name
<input type="checkbox"/>	MESSAGE_REQUESTS.js...

Output Message Data

🔍 [Settings] [Copy] [24] [Menu]

✓	Name
<input type="checkbox"/>	MESSAGE_RESPONSE.txt

...

The messaging standard is supported by the application messages, with an authentication token provided for each call to the third-party partner's API.

Message Request.json

```
{
  "header": {
    "messageType": "services",
    "eDocCreatorType": "self",
    "eDocCreatorPerspective": true,
    "operationType": "StandardSales",
    "transactionDate": "2024-02-22T00:00:00Z",
    "amountCalcType": "net",
    "companyLocation": "42453675818190",
    "documentCode": "V11556",
    "locations": {
      "entity": {
        "taxRegime": "individual",
        "type": "stateGovernment",
        "taxesSettings": {
          "issRfRateForSimplesTaxRegime": 0,
          "pCredSN": 0,
          "subjectToPayrollTaxRelief": true,
          "subjectToWithholdingPis": true,
          "subjectToWithholdingCofins": true,
          "subjectToWithholdingCsll": true,
          "cofinsSubjectTo": "T",
          "pisSubjectTo": "T",
          "csllSubjectTo": "T"
        },
        "address": {
          "zipcode": "69900-000",
          "cityName": "Osasco",
          "country": "BRA"
        },
        "activitySector": {
          "type": "cnae"
        }
      },
      "establishment": {
        "taxRegime": "realProfit",
        "type": "individual",
        "taxesSettings": {
          "issRfRateForSimplesTaxRegime": 0,
          "pCredSN": 0,
          "subjectToPayrollTaxRelief": true,
          "subjectToWithholdingPis": true,
          "subjectToWithholdingCofins": true,
          "subjectToWithholdingCsll": true,
          "cofinsSubjectTo": "T",
          "pisSubjectTo": "T",
          "csllSubjectTo": "T"
        },
        "address": {
          "zipcode": "01000-000",
          "cityName": "São Paulo",
          "country": "BRA"
        },
        "activitySector": {
          "type": "cnae"
        }
      }
    }
  }
}
```

Message Response.json

```
{
  "header": {
    "messageType": "services",
    "eDocCreatorType": "self",
    "eDocCreatorPerspective": true,
    "operationType": "StandardSales",
    "transactionDate": "2024-02-22T00:00:00Z",
    "amountCalcType": "net",
    "companyLocation": "42453675818190",
    "documentCode": "V11556",
    "locations": {
      "entity": {
        "taxRegime": "individual",
        "type": "stateGovernment",
        "taxesSettings": {
          "issRfRateForSimplesTaxRegime": 0,
          "pCredSN": 0,
          "subjectToPayrollTaxRelief": true,
          "subjectToWithholdingPis": true,
          "subjectToWithholdingCofins": true,
          "subjectToWithholdingCsll": true,
          "cofinsSubjectTo": "T",
          "pisSubjectTo": "T",
          "csllSubjectTo": "T",
          "subjectToSRF1234": false
        },
        "address": {
          "zipcode": "69900-000",
          "cityName": "Rio Branco",
          "country": "BRA",
          "cityCode": "1200401",
          "countryCode": "0",
          "state": "AC"
        },
        "activitySector": {
          "type": "cnae"
        },
        "federalTaxId": ""
      },
      "establishment": {
        "taxRegime": "realProfit",
        "type": "individual",
        "taxesSettings": {
          "issRfRateForSimplesTaxRegime": 0,
          "pCredSN": 0,
          "subjectToPayrollTaxRelief": true,
          "subjectToWithholdingPis": true,
          "subjectToWithholdingCofins": true,
          "subjectToWithholdingCsll": true,
          "cofinsSubjectTo": "T",
          "pisSubjectTo": "T",
          "csllSubjectTo": "T"
        },
        "address": {
          "zipcode": "01000-000",
          "cityName": "São Paulo",
          "country": "BRA"
        }
      }
    }
  }
}
```

19.8 Handling Withholding Taxes for Non-Inventory Sales Parts/ Services

User needs to define the WHT taxes in the **tax codes** page as explained above. The WHT taxes are calculated when the customer order is created using external tax engine AVALARA.

The Withholding taxes calculated will be reflected in the Tax Lines, **Withholding** command available in the Customer Invoice lines.

LINES									
GENERAL		NF-E INFORMATION			HISTORY				
Tax Lines Tax Lines, Withholding Invoice Line Discount Pre Posting									
(1)	Pos	Invoice Item	Description	Invoiced Qty	Sales UoM	Price Qty	Price UoM	Sales P	
<input checked="" type="checkbox"/>	1	BOWLING	Boliche.	1	HOUR	1	HOUR	4	

Attachments

Tax Lines, Withholding							
Customer	Withholding Base	Series ID	Invoice No				
PC PUGULK CUST 1 - PUGULK CUST 1	Invoice Net Amount	PR	212552				
Tax Curr Rate	Gross Amount	Net Amount					
1	4407.71	4000.00					
Line Details							
	Tax Code	Tax Type	Withholding Base Amount	Tax %	Tax Amount	Accounting Currency	Tax Amount in Parallel Currency
<input type="checkbox"/>	COFINS/RF	Tax Withhold	4000.00	0	0.00	0.00	0.00
<input type="checkbox"/>	CSLL/RF	Tax Withhold	4000.00	0	0.00	0.00	0.00
<input type="checkbox"/>	INSS/RF	Tax Withhold	4000.00	0	0.00	0.00	0.00
<input type="checkbox"/>	IRRF	Tax Withhold	4000.00	4.8	192.00	192.00	576.00
<input type="checkbox"/>	ISS/RF	Tax Withhold	4000.00	0	0.00	0.00	0.00
<input type="checkbox"/>	PIS RF	Tax Withhold	4000.00	0	0.00	0.00	0.00

OK Cancel

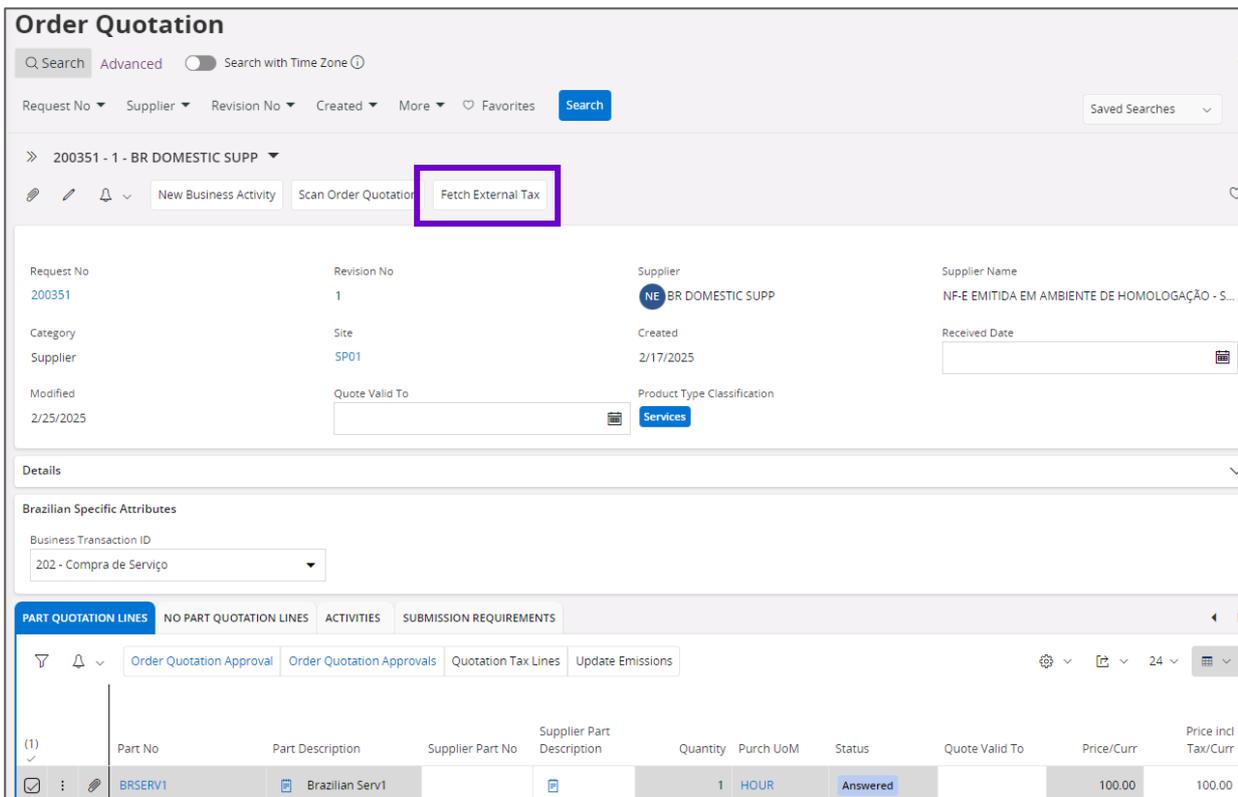
19.9 Tax Calculation for Services Using Single Occurrence Address

Single Occurrence address is used for defining a temporary delivery address for a particular order. The Order header must have been saved. The country codes and the address formats needed to be defined using *Application Base Setup/Enterprise/Basic Data/Address Presentation*. A single-occurrence delivery address is defined for the order. The ordered parts will be delivered to this address. This is a temporary address and it will be used only for a specific order.

Define a single occurrence address using *Operations Tab/Single Occurrence Address* available in the Customer Order header level.

- New Order Quotation line is added.
- Quotation Qty is updated
- Quotation Price is updated
- Quotation Address is updated
- Quotation Line Address is updated
- Goods/Services Statistical Code is updated
- Acquisition Reason Id is updated

User can manually select the “Fetch External Tax” command to send a request to Avalara. The command is visible when at least one quotation line has status **Answered**.



The screenshot displays the 'Order Quotation' interface. At the top, there is a search bar and navigation options. Below this, the 'Fetch External Tax' button is highlighted with a purple box. The interface shows details for Request No. 200351, Revision No. 1, and Supplier NIE BR DOMESTIC SUPP. The status of the quotation is 'Answered'. The 'PART QUOTATION LINES' section shows a single line for 'Brazilian Serv1' with a quantity of 1 and a price of 100.00.

Part No	Part Description	Supplier Part No	Supplier Part Description	Quantity	Purch UoM	Status	Quote Valid To	Price/Curr	Price Incl Tax/Curr
BRSERV1	Brazilian Serv1			1	HOUR	Answered		100.00	100.00

After service-related taxes are returned from External Tax System, the taxable taxes details can be verified in the Purchase Quotation Tax Lines.

Order Quotation

Q Search Advanced Search with Time Zone

Request No 200351 Supplier Revision No 1 Supplier NE BR DOMESTIC SUPP Supplier Name NF-E EMITIDA EM AMBIENTE DE HOMOLOGAÇÃO - S...
 Category Site SP01 Created 2/17/2025 Received Date
 Modified 2/25/2025 Quote Valid To Product Type Classification Services

Details

Brazilian Specific Attributes
 Business Transaction ID 202 - Compra de Serviço

PART QUOTATION LINES NO PART QUOTATION LINES ACTIVITIES SUBMISSION REQUIREMENTS

Order Quotation Approval Order Quotation Approval Quotation Tax Lines Update Emissions

(1)	Part No	Part Description	Supplier Part No	Supplier Part Description	Quantity	Purch UoM	Status	Quote Valid To	Price/Curr	Price Incl Tax/Curr
☑	BRSERV1	Brazilian Serv1			1	HOUR	Answered		90.75	100.00

Taxable taxes percentages are recorded over the 0-percentage Tax Codes predefined in the External Tax Codes Mapping for given the company.

Purchase Quotation Tax Lines

Gross Amount/Curr	Net Amount/Curr	Tax Amount/Curr	Non-deductible Tax Amount/Curr
90.00	80.75	9.25	0.00
Total Tax Amount/Curr			
9.25			

Tax Base Amount	Tax Code	Tax Type	Tax(%)	Deductible(%)	Tax Amount/Curr	Tax Amount/Base	Non-deductible Tax/Curr	Total Tax Amount	Impact On Net Amount	CST Code	Legal Tax Class	Tax Type Category
100.00	COFINS	Tax	7.6	100	7.60	7.60	0.00	7.60	Tax Inclusive	70		COFINS
100.00	ISS	Tax	0	100	0.00	0.00	0.00	0.00	Tax Inclusive	01		ISS
100.00	PIS	Tax	1.65	100	1.65	1.65	0.00	1.65	Tax Inclusive	70		PIS

The messaging standard is supported by the application messages, with an authentication token provided for each call to the third-party partner's API.

Application Messages

Q Search

View all Messages for this Queue and Status | Move To Queue | Message Queue Settings | Duplicate And Release

Application Message ID	Subject	Type	Sender
1854765	Message has been successfully executed	CONNECT	IFS_BR
Function	Receiver	State	External Message ID
AVALAR_ABR_INTEGRATION_SERVICE	CONNECT	Finished	D2C32EDDF5CF4A6284ED721AB68061EC
State Date	Options	Error Text	Created From
2/25/25, 5:54 AM			
Initiated By	Initiated	Execute As	Locale
ROALBR	2/25/25, 5:54 AM	Initiator	en-US
Queue	Inbound	Routing Rule Used	
DEFAULT	No	Example_Avalara_Brazil_Integration_Service	

Input Message Data

Filter: [X] [Name] [24] [Menu]

MESSAGE_REQUESTS.js...

Output Message Data

Filter: [X] [Name] [24] [Menu]

MESSAGE_RESPONSE.txt

Message Request.json

```

▼ header :{
  messageType : services
  eDocCreatorType : self
  operationType : standardPurchase
  transactionDate : 2025-02-25T00:00:00Z
  amountCalcType : gross
  companyLocation : 04106230000190
  documentCode : 200351
▼ locations :{
  ▼ entity :{
    type : business
    ▼ taxesSettings :{
      subjectToPayrollTaxRelief :  false
      subjectToWithholdingPis :  true
      subjectToWithholdingCofins :  true
      subjectToWithholdingCsll :  true
      cofinsSubjectTo : T
      pisSubjectTo : T
      csllSubjectTo : T
    }
    ▼ address :{
      zipcode : 06083215
      cityName : Osasco
      country : BRA
    }
    ▼ activitySector :{
      type : cnae
      code : 1121600
    }
  }
  ▼ establishment :{
    type : business
    ▼ taxesSettings :{
      subjectToPayrollTaxRelief :  false
      subjectToWithholdingPis :  true
      subjectToWithholdingCofins :  true
      subjectToWithholdingCsll :  true
      cofinsSubjectTo : T
      pisSubjectTo : T
      csllSubjectTo : T
    }
    ▼ address :{
      zipcode : 06453000
      cityName : Barueri
      country : BRA
    }
    ▼ activitySector :{
      type : cnae
      code : 5212500
    }
  }
  ▼ rendered :{
    ▼ address :{
      zipcode : 06453000
    }
  }
}

```

Message Response.json

```

▼ header :{
  messageType : services
  eDocCreatorType : self
  operationType : standardPurchase
  transactionDate : 2025-02-25T00:00:00Z
  amountCalcType : gross
  companyLocation : 04106230000190
  documentCode : 200351
▼ locations :{
  ▼ entity :{
    type : business
    ▼ taxesSettings :{
      subjectToPayrollTaxRelief :  false
      subjectToWithholdingPis :  true
      subjectToWithholdingCofins :  true
      subjectToWithholdingCsll :  true
      cofinsSubjectTo : T
      pisSubjectTo : T
      csllSubjectTo : T
      subjectToSRF1234 :  false
    }
    ▼ address :{
      zipcode : 06083215
      cityName : Osasco
      country : BRA
      cityCode : 3534401
      countryCode : 0
      state : SP
    }
    ▼ activitySector :{
      type : cnae
      code : 1121600
      federalTaxId : 
      taxRegime : individual
    }
  }
  ▼ establishment :{
    type : business
    ▼ taxesSettings :{
      subjectToPayrollTaxRelief :  false
      subjectToWithholdingPis :  true
      subjectToWithholdingCofins :  true
      subjectToWithholdingCsll :  true
      cofinsSubjectTo : T
      pisSubjectTo : T
      csllSubjectTo : T
      pisFopag :  false
      receiptsAreFullNoCumulativePisCofins :  false
      issRfRateForSimpleTaxRegime : 0
      enableCprb :  false
      usesInssCprbToGrossValue :  false
      notWithholdIRForPublicAgency :  true
      roundingServiceByItem : 4
    }
  }
}

```

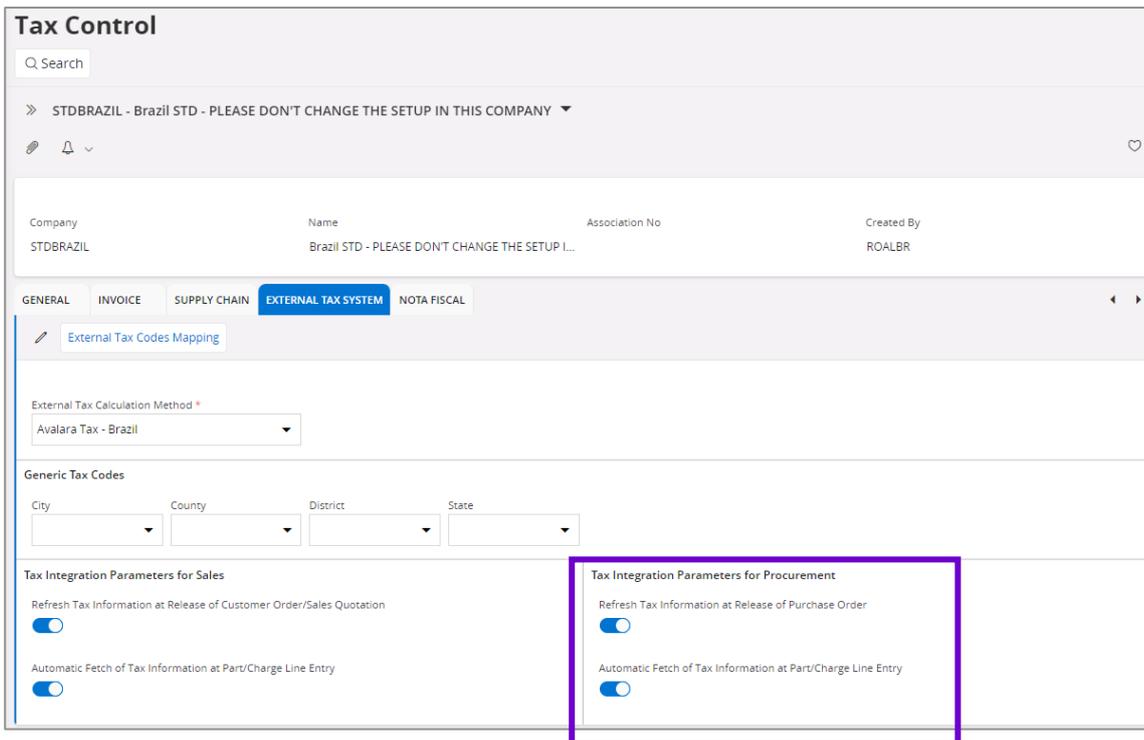
19.11 Create Purchase Order for Non-Inventory Part

For Non-Inventory Purchase Order, a new tax Calculated/ Fetched is initiated resulting in new tax requests being sent to Avalara under the following circumstances:

- New purchase order line is added.
- Purchase Qty is updated
- Purchase Price is updated
- Order Address is updated
- Order Line Address is updated

- Goods/Services Statistical Code is updated
- Acquisition Reason Id is updated
- Order is Released

User can decide whether the taxes are Calculated/Fetched upon, “Release of Purchase Order” or “PO Line Entry Level”. This is controlled by the IFS Cloud core functionality, **Company/Tax Control/External Tax System** tab, “Tax Integration Parameters for Procurement”.



Tax Control

Q Search

» STDBRAZIL - Brazil STD - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY ▾

Company: STDBRAZIL, Name: Brazil STD - PLEASE DON'T CHANGE THE SETUP I.L., Association No: , Created By: ROALBR

GENERAL | INVOICE | SUPPLY CHAIN | **EXTERNAL TAX SYSTEM** | NOTA FISCAL

External Tax Codes Mapping

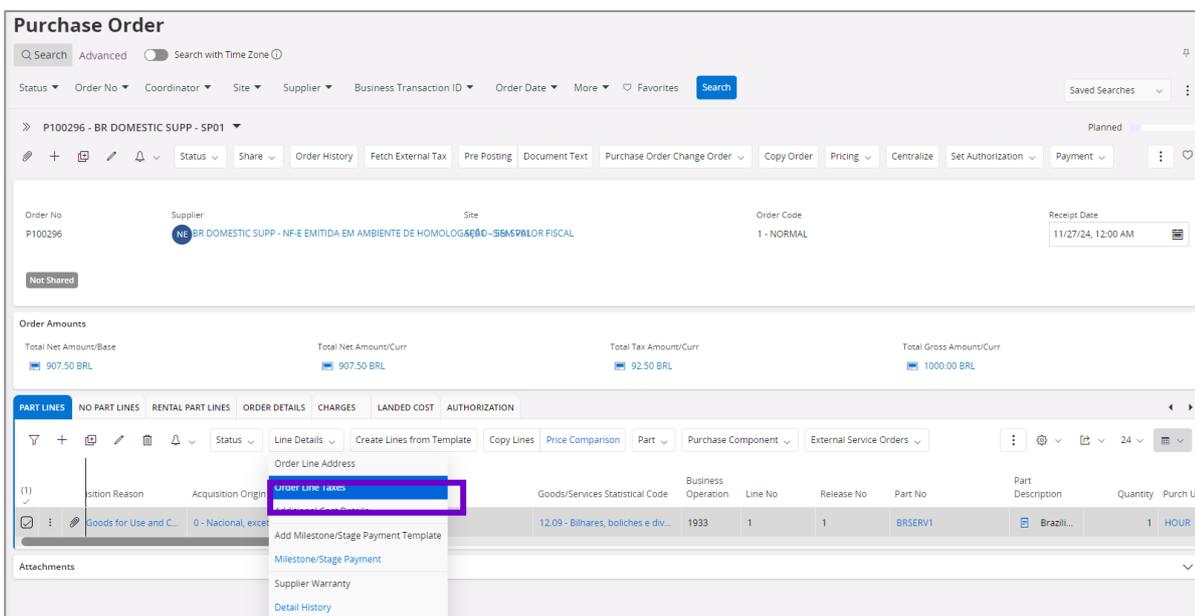
External Tax Calculation Method *: Avalara Tax - Brazil

Generic Tax Codes: City, County, District, State

Tax Integration Parameters for Sales: Refresh Tax Information at Release of Customer Order/Sales Quotation (On), Automatic Fetch of Tax Information at Part/Charge Line Entry (On)

Tax Integration Parameters for Procurement (highlighted): Refresh Tax Information at Release of Purchase Order (On), Automatic Fetch of Tax Information at Part/Charge Line Entry (On)

After service-related taxes are returned from External Tax System, the taxable taxes details can be verified through the option Tax Lines in the Purchase Order Line:



Purchase Order

Q Search Advanced Search with Time Zone

Status: Order No: P100296 - BR DOMESTIC SUPP - SP01, Supplier: BR DOMESTIC SUPP - NFE EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL, Site: , Order Code: 1 - NORMAL, Receipt Date: 11/27/24, 12:00 AM

Order Amounts: Total Net Amount/Base: 907.50 BRL, Total Net Amount/Curr: 907.50 BRL, Total Tax Amount/Curr: 92.50 BRL, Total Gross Amount/Curr: 1000.00 BRL

PART LINES | NO PART LINES | RENTAL PART LINES | ORDER DETAILS | CHARGES | LANDED COST | AUTHORIZATION

Line No	Release No	Part No	Part Description	Quantity	Purch Us
(1)		BRSERV1	Brazil...	1	HOUR

Order Line Address: Goods/Services Statistical Code: 12.09 - Bilhares, boliches e div..., Business Operation: 1933, Line No: 1, Release No: 1, Part No: BRSERV1, Part Description: Brazil..., Quantity: 1, Purch Us: HOUR

Order Line Tax: Tax Line: Taxes (highlighted)

Attachments: Add Milestone/Stage Payment Template, Milestone/Stage Payment, Supplier Warranty, Detail History

Taxable taxes percentages are recorded over the 0-percentage Tax Codes predefined in the External Tax Codes Mapping for given the company:

Purchase Order Line Taxes												
Gross Amount/Curr		Net Amount/Curr		Tax Amount/Curr		Non-deductible Tax Amount/Curr						
1000.00		907.50		92.50		0.00						
Total Tax Amount/Curr												
92.50												
Tax Base Amount	Tax Code	Tax Type	Impact On Net Amount	Tax(%)	Deductible(%)	Tax Amount/Curr	Tax Amount/Base	Non-deductible Tax/Curr	Total Tax Amount	CST Code	Legal Tax Class	
1000.00	COFINS	Tax	Tax Inclusive	7.6	100	76.00	76.00	0.00	76.00	70		
1000.00	ISS	Tax	Tax Inclusive	0	100	0.00	0.00	0.00	0.00	01		
1000.00	PIS	Tax	Tax Inclusive	1.65	100	16.50	16.50	0.00	16.50	70		

The messaging standard is supported by the application messages, with an authentication token provided for each call to the third-party partner's API.

Application Messages

Q Search

View all Messages for this Queue and Status | Move To Queue | Message Queue Settings | Duplicate And Release

Application Message ID	Subject	Type	Sender
1854777	Message has been successfully executed	CONNECT	IFS_BR
Function	Receiver	State	External Message ID
AVALARA_BR_INTEGRATION_SERVICE	CONNECT	Finished	C86A50E50FEC44A590898448FFFA96E9
State Date	Options	Error Text	Created From
2/25/25, 6:04 AM			
Initiated By	Initiated	Execute As	Locale
ROALBR	2/25/25, 6:04 AM	Initiator	en-US
Queue	Inbound	Routing Rule Used	
DEFAULT	No	Example_Avalara_Brazil_Integration_Service	

Input Message Data

Name

MESSAGE_REQUESTS.js...

Output Message Data

Name

MESSAGE_RESPONSE.txt

Message Request.json

```

header : {
  messageType : services
  eDocCreatorType : self
  operationType : standardPurchase
  transactionDate : 2025-02-25T00:00:00Z
  amountCalcType : gross
  companyLocation : 04106230000190
  documentCode : P100296
  locations : {
    entity : {
      type : business
      taxesSettings : {
        subjectToPayrollTaxRelief :  false
        subjectToWithholdingPis :  true
        subjectToWithholdingCofins :  true
        subjectToWithholdingCsll :  true
        cofinsSubjectTo : T
        pisSubjectTo : T
        csllSubjectTo : T
      }
      address : {
        zipcode : 06083215
        cityName : Osasco
        country : BRA
      }
      activitySector : {
        type : cnae
        code : 1121600
      }
    }
  }
  establishment : {
    type : business
    taxesSettings : {
      subjectToPayrollTaxRelief :  false
      subjectToWithholdingPis :  true
      subjectToWithholdingCofins :  true
      subjectToWithholdingCsll :  true
      cofinsSubjectTo : T
      pisSubjectTo : T
      csllSubjectTo : T
    }
    address : {
      zipcode : 06453000
      cityName : Barueri
      country : BRA
    }
    activitySector : {
      type : cnae
      code : 5212500
    }
  }
  rendered : {
    address : {
      zipcode : 06453000
    }
  }
}

```

Message Response.json

```

header : {
  messageType : services
  eDocCreatorType : self
  operationType : standardPurchase
  transactionDate : 2025-02-25T00:00:00Z
  amountCalcType : gross
  companyLocation : 04106230000190
  documentCode : P100296
  locations : {
    entity : {
      type : business
      taxesSettings : {
        subjectToPayrollTaxRelief :  false
        subjectToWithholdingPis :  true
        subjectToWithholdingCofins :  true
        subjectToWithholdingCsll :  true
        cofinsSubjectTo : T
        pisSubjectTo : T
        csllSubjectTo : T
        subjectToSRF1234 :  false
      }
      address : {
        zipcode : 06083215
        cityName : Osasco
        country : BRA
        cityCode : 3534401
        countryCode : 0
        state : SP
      }
      activitySector : {
        type : cnae
        code : 1121600
        federalTaxId : 
        taxRegime : individual
      }
    }
  }
  establishment : {
    type : business
    taxesSettings : {
      subjectToPayrollTaxRelief :  false
      subjectToWithholdingPis :  true
      subjectToWithholdingCofins :  true
      subjectToWithholdingCsll :  true
      cofinsSubjectTo : T
      pisSubjectTo : T
      csllSubjectTo : T
      pisFopag :  false
      receiptsAreFullNoCumulativePisCofins :  false
      issRfRateForSimpleTaxRegime : 0
      enableCprb :  false
      usesInssCprbToGrossValue :  false
      notWithholdIRForPublicAgency :  true
      roundingServiceByItem : 4
    }
  }
}

```

19.12 Delimitations

No known delimitations.

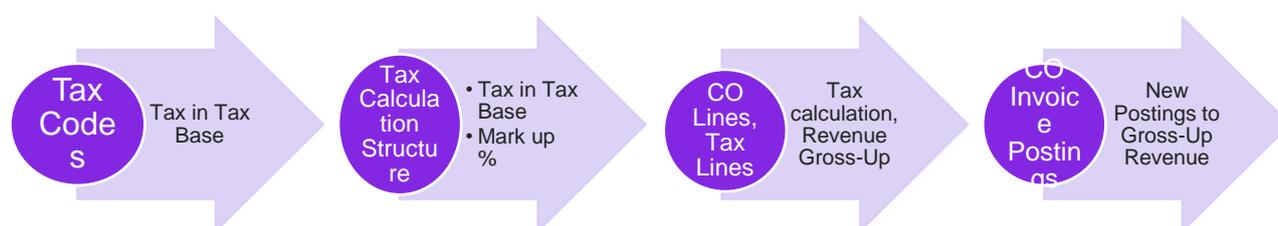
20 Gross Revenue Accounting

20.1 Overview Legal Requirement

In Brazil it's a legal requirement to post revenues including taxes. The requirement is to post gross amounts on the CO Invoice to a revenue account.

In Brazil, usually prices contain ICMS/PIS/COFINS/ISS taxes. This means that tax percentage is expressed for the gross price where sum of tax amounts of the aforesaid tax types also become a portion of the tax base amount. When it comes to the revenue accounting, it's the Gross Revenue which should be disclosed in the Profit & Loss Account.

20.2 Process Overview



- In **Tax Codes** page newly introduced a column, "Tax in Tax Base", to facilitate Inclusion of taxes to the tax base amount. (*Explained in a separate chapter*)
- In **Tax Calculation Structures** page introduced two new columns, "Tax in Tax Base" and "Mark up (%)" functionality. (*Explained in a separate chapter*)
- CO Line and the CO Tax Lines indicate the tax amount calculated according to the new way of tax calculation.
- CO Invoice lines and CO Invoice Tax Lines indicate the tax amount calculated according to the new way of tax calculation.
- Project Invoice lines and Project Invoice Tax Lines indicate the tax amount calculated according to the new method of tax calculation.
- In CO Invoice postings, two new postings are included to gross-up the revenue.
- In Project Invoice postings, two new postings are included to gross-up the revenue.

20.3 Prerequisites

The company must be set-up to use Brazilian localization, see chapter Company Set up, and the parameter "*Gross Revenue Accounting*" must be enabled.

20.4 Tax in Tax Base

Tax in Tax Base concept explained how the taxes are included in the Tax Base Amount. To facilitate this requirement, new LCC Parameter, "Extended Tax Codes and Tax Calculation Structures set-up" introduced, and the concept of Tax in Tax Base calculations and the IFS Solution explained in detail in the previous chapter.

20.5 Revenue Gross-up in Customer Order Line level

20.5.1 Sales Price Without Tax In All Price Sources

In Brazilian context, taxes are included in the Tax Base Amount and the sales price should be able to define exclusive of taxes in all sales pricing sources. To comply with this requirement, Brazilian

companies need to define price without tax in all the price sources like Sales Part, Price Lists, Customer Agreements.

Sales Part DU:BR:INV:1 - DU:BR:INV:1 - DUBR1 1 of 1

[Inventory Part Availability Planning](#)
[Complementary Parts](#)
[Substitu](#)

Sales Part No	Part Description in Use	Site
DU:BR:INV:1	DU:BR:INV:1	DUBR1

GENERAL	DESCRIPTIONS	CHARACTERISTICS	CHARGES	MAINTENANCE	PART SPECIFIC OVERHEADS
Inventory Part					Sourcing
Unit Of Measure					Grouping
Pricing					Tax
Price		Price Including Tax			Tax Code
100.00 BRL		100.00 BRL			0 - TAX 0%
Expected Average Price		Rental Price			Delivery Type
		0.00 BRL			

20.5.2 CUSTOMER ORDER LINE LEVEL

When creating a Customer Order, in line level, "Price inclusive of Tax" is calculated based on the Tax Calculation Structure set up, "Tax in Tax Base". If the "Tax in Tax Base" is set to "Yes", Tax Base Amount is calculated with inclusion of tax and the corresponding tax amount will be calculated accordingly.

Customer order line is created with the net amount 100.00

Customer Order V10204

[Status](#) [Share](#) [Operations](#) [Freight](#) [Invoice](#) [Related Pages](#) [Copy Order](#) [Order History](#)

Order No	Customer	Site	Order Type	Wanted Delivery Date/TL...
V10204	D DU:BR-1 - DU:BR-1	DUBR1	NO	2/17/20, 12:00 AM

Total Net Amount/Base	Total Contribution Margi...	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
100.00 BRL	0.00 BRL	0.00	100.00 BRL	11.11 BRL	111.11 BRL

LINES	RENTAL LINES	ORDER DETAILS	CHARGES	INVOLVED PARTIES			
(1)							
Line No	Del No	Sales Part No	Description	Sales Qty	Sales UoM	Status	Price/Curr
1	1	DU:BR:INV:1	DU:BR:INV:1	1	PCS	Released	100.00

Customer order line level, Tax Base Amount calculated inclusive of tax and then the Tax Amount calculated accordingly.

Gross Amount	Net Amount	Tax Amount
111.11	100.00	11.11

☰ 🔍 Set Default

	Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount/Curr	Tax Amount/Base
⋮	111.11	ICMS-1	Tax	10	11.11	11.11

OK
Cancel

20.6 Customer Order Invoice Postings

20.6.1 CUSTOMER ORDER INVOICE LINE LEVEL

From the Customer Order Invoice Line level, Customer Invoice Tax Lines, again it's possible to verify the accuracy of Tax Base Amount and the Tax Amount.

✕
Customer Invoice Tax Lines

Gross Amount	Net Amount	Tax Amount
111.11	100.00	11.11 Tax Amount

Tax Line Details

☰ 🔍 Set Default

	Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency
⋮	111.11	ICMS-1	Tax	10	11.11	11.11	22.22

OK
Cancel

20.6.2 CUSTOMER INVOICE POSTINGS TO REVENUE GROSS-UP

In core version of the application, Customer invoice postings contain only one posting control to post the tax, that is IP4- Tax Disbursed, invoice. On the contrary to the Core application, in Brazil, First, it's required to gross-up the Revenue by tax amount and disclosed in the P&L Account. Then in the next step, in P&L, Operational Revenue should be derived by deducting the Tax Amount.

To facilitate these requirements, two new postings introduced for Brazilian country specifics, as follows,

- 1) M295: Tax in Sales Revenue -This posting is used to gross up the Revenue.
- 2) M296: Tax Deduct from Gross Revenue – This posting is used to derive “Operational Revenue” by deducting the Tax portion included in the Gross Revenue.

Posting Control			
<input checked="" type="checkbox"/>	:	Posting Type	
<input type="checkbox"/>	:	M295 - Tax in Sales Revenue	Account AC7 - Tax code
<input type="checkbox"/>	:	M296 - Tax Deduct from Gross Revenue	Account AC7 - Tax code

Brazilian specific postings in CO Invoice F Voucher:

Voucher Rows									
<input checked="" type="checkbox"/>	:		Trans Code	Tax Code	Currency Code	Correction	Currency Debit Amount	Currency Credit Amount	Currency Amount
<input type="checkbox"/>	:		IP2		BRL	No	111.11		111.11
<input type="checkbox"/>	:		IP4	ICMS-10%	BRL	No		11.11	-11.11
<input type="checkbox"/>	:		M28	ICMS-10%	BRL	No		100.00	-100.00
<input type="checkbox"/>	:		M295	ICMS-10%	BRL	No		11.11	-11.11
<input type="checkbox"/>	:		M296	ICMS-10%	BRL	No	11.11		11.11

20.6.3 NEW CONTROL TYPES SPECIFIC TO BRAZIL

Business Transaction Code is introduced as a new Control Type for IP4, M28, M295, M296, M30 and M31 Posting Types. Make sure to check whether the mandatory LCC parameter “Brazilian specific fiscal attributes” is enabled and basic data for Business Transaction ID is available to use this Control Type.

Accounting Rules > Posting Rules > Posting Control

Posting Control

Posting Type | Code Part Name | Control Type : C128 | More | Favorites | Clear | Settings

✓	:	Posting Type	Code Part Name	Control Type
<input type="checkbox"/>	:	IP4 - Tax Disbursed, Invoice	Account	C128 - Business Transaction Code
<input type="checkbox"/>	:	M28 - Taxable Sales	Account	C128 - Business Transaction Code
<input type="checkbox"/>	:	M295 - Tax in Sales Revenue	Account	C128 - Business Transaction Code
<input type="checkbox"/>	:	M296 - Tax Deduct from Gross Revenue	Account	C128 - Business Transaction Code

Accounting Rules > Posting Rules > Posting Control > Posting Control Details

Posting Control Details

IP4 - Account - C128 | 1 of 1

Code Part Name: Account
Control Type: C128

Posting Type: IP4
Code Part Name: Account
Control Type: C128

Default Value No CT Value
Valid From: 10/2/2021

✓	:	Business Transaction Code	Description	Account
<input type="checkbox"/>	:	100	Standard Sales	2610 - Output VAT, not reduced
<input type="checkbox"/>	:	120	Exportation	2611 - Output VAT on sales in Sweden, not reduced

20.7 Revenue Gross-up in Project Invoice Line Level

20.7.1 SALES PRICE WITHOUT TAX IN ALL PRICING SOURCES

Brazilian companies should set sales prices without taxes in Projects and other sales pricing sources because taxes are included in the Tax Base Amount.

Project Management > Plan and Execute > Project Setup Parameters

Internal Rental Price List: Material Allocation * Within Project, Misc Demand Component Planning Method * Manually Planned, Probability To Win 100 %

Project Unique Procurement: Project Unique Billing, Project Access On, Propose Project Transaction

Exclude Project From Batch Invoices: Invoice Comment Mandatory, Branch BRANCH01

Budgeting and Forecasting: Financially Responsible, Budget Control On No, Control As Budgeted No, Control On Total Budget No

Month End Accruals: Default Cost Activity

Brazilian Specific Attributes: Business Transaction ID 100 - Venda de Mercadorias

CURRENCY PRE POSTINGS MANUAL CONNECTIONS FINANCE DOCUMENT TRANSMITTALS **PRICING** RESOURCE CRITERIA PCE CODE PART MCRP SUPPLIER ACTIVITY LINKS MCRP CUSTOMER ACTIVITY LINKS MCRP DEFAULT SUPPLIER ACTIVITIES JOB RATE MANAGEMENT

Pricing Information: Sales Price ID, Supplier Invoice Margin ID, Expense Margin List ID, Standard Margin For Material, MultiCompany Revenue Reporting Method

MultiCompany Revenue Reporting Method: Multi-Company Revenue Reporting Method

If the fields on above groups are left blank, data from the customer of the project will be used. Any entered data in these fields will override the customer values.

Specific Sales Price

Sub Project ID	Description	Activity ID	Activity Description	Resource ID	Resource ID Description	Report Code	Report Code Description	Sales Price	Currency Code	Cost Plus	Markup Percentage	Markup Price	Markup Currency Code	Valid From	Valid To
								500.00	BRL	No				5/1/2024	1/1/4000

Specific Billing Category Description Override

20.7.2 PROJECT INVOICE LINE LEVEL

In a Project Invoice line, the price inclusive of tax is calculated based on the “Tax in Tax Base” setting of the tax code. If the “Tax in Tax Base” is set to “Yes”, Tax Base Amount is calculated including that tax, and the corresponding tax amount will be calculated accordingly.

A Project Invoice line is created with a Price of 500.00

Project Management > Invoicing > Project Invoice

Project Invoice PR - 205806 1 of 1

Customer: RCA DOMESTIC CUST, Customer Name: NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL, Project: NFE, Invoice Series: PR

Invoice No: 205806, Official Document No: NFE, Invoice Period Start: 8/9/2024, Invoice Period End: 8/9/2024

Notes: Invoice Text Yes

Amounts: Currency BRL, Gross Amount 518.94, Net Amount 500.00, Tax Amount 18.94

LINES: GENERAL PRE POSTING ACCOUNTING

Item ID	Invoice Text	Description	Project	Sub Project	Activity	Report Code	HSN/SAC Code	Price Adjustment ID	Quantity	Price	BR Unit Price	Net Amount	Tax Code	Tax Calculation Structure	Multiple Tax Lines	Tax Percentage	Tax Amount	Withheld Tax Amount	Gross Amount
1	Yes	Time	PR-001 - PR-001	S2 - S2	A6 - A6	T01 - Time			1	500.00	518.94	500.00			Yes	18.94			518.94

Attachments

In project invoice tax lines, the Tax Base Amount is calculated inclusive of taxes, and then the Tax Amount calculated accordingly.

Project Invoice Tax Lines																														
Gross Amount			Net Amount				Tax Amount																							
518.94			500.00				18.94																							
Tax Line Details																														
<table border="1"> <thead> <tr> <th>Tax Base Amount</th> <th>Tax Code</th> <th>Tax Type</th> <th>Tax(%)</th> <th>Tax Amount</th> <th>Tax Amount in Accounting Currency</th> <th>Tax Amount in Parallel Currency</th> <th>Transferred</th> <th>Tax Category 1</th> <th>Tax Category 2</th> </tr> </thead> <tbody> <tr> <td>518.94</td> <td>BR-COFINS</td> <td>Tax</td> <td>3</td> <td>15.57</td> <td>15.57</td> <td>155.70</td> <td>No</td> <td></td> <td></td> </tr> </tbody> </table>											Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Transferred	Tax Category 1	Tax Category 2	518.94	BR-COFINS	Tax	3	15.57	15.57	155.70	No		
Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Transferred	Tax Category 1	Tax Category 2																					
518.94	BR-COFINS	Tax	3	15.57	15.57	155.70	No																							

20.8 Project Invoice Postings

20.8.1 PROJECT INVOICE POSTINGS FOR REVENUE GROSS-UP

In the core version of the application, Project invoice postings have only one posting control for posting taxes: IP4- Tax Disbursed, Invoice.

For Brazilian customers, the process is different. First, revenue should be grossed-up by the tax amount and disclosed in the P&L account. Then, operational revenue should be derived by deducting the tax amount in the P&L.

To meet these requirements, two new posting types have been introduced specifically for Brazil:

- 1) PRJI5: Tax in Project Invoice - This posting is used to gross up the revenue.
- 2) PRJI6: Tax Deduct from Project Invoice - This posting is used to derive operational revenue by deducting the tax portion included in the gross revenue.

Posting Control								
<div style="display: flex; justify-content: space-between; align-items: center;"> <input type="checkbox"/> + <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Details Copy Details Set-up Copy to Companies </div>								
(1)	Posting Type	Code Part Name	Control Type	Default Value No Details	Default Value No CT Value	Override	Valid From	Module
<input type="checkbox"/>	PRJI5 - Tax in Project Invoice	Account	PRJC1 - Report Code	1010	1010	Not Allowed	6/1/2024	PRJREP
<input checked="" type="checkbox"/>	PRJI6 - Tax Deduct from Project Invoice	Account	PRJC1 - Report Code	1011	1011	Not Allowed	6/1/2024	PRJREP

Brazilian-specific postings in Project Invoice F Voucher:

Voucher Rows								
<input type="checkbox"/>								
✓			Transaction Code	Tax Code	Currency Code	Currency Debit Amount	Currency Credit Amount	Currency Amount
<input type="checkbox"/>	:		IP2		BRL	518.94		518.94
<input type="checkbox"/>	:		IP4	BR-PIS	BRL		3.37	-3.37
<input type="checkbox"/>	:		IP4	ISS-N	BRL		0.00	0.00
<input type="checkbox"/>	:		IP4	CSLL-N	BRL		0.00	0.00
<input type="checkbox"/>	:		IP4	BR-COFINS	BRL		15.57	-15.57
<input type="checkbox"/>	:		PRJ1		BRL		500.00	-500.00
<input type="checkbox"/>	:		PRJ5	BR-COFINS	BRL		15.57	-15.57
<input type="checkbox"/>	:		PRJ6	BR-COFINS	BRL	15.57		15.57

20.8.2 NEW CONTROL TYPES SPECIFIC TO BRAZIL

Business Transaction Code has been introduced as a new control type for the PRJ11, PRJ12, PRJ15, and PRJ16 posting types.

The mandatory LCC parameter “Brazilian Specific Fiscal Attributes” must be enabled. Additionally, to use this control type, basic data for the Business Transaction Codes must be enabled.

Posting Control				
<input type="checkbox"/> +				
✓		Posting Type	Code Part Name	Control Type
<input type="checkbox"/>	:	IP4 - Tax Disbursed, Invoice	Account	EC128 - Business Transaction Code
<input type="checkbox"/>	:	PRJ11 - Project Invoicing Taxable	Account	EC128 - Business Transaction Code
<input type="checkbox"/>	:	PRJ15 - Tax in Project Invoice	Account	EC128 - Business Transaction Code
<input type="checkbox"/>	:	PRJ16 - Tax Deduct from Project Invoice	Account	EC128 - Business Transaction Code

Sort by ▾

Posting Control Details

IP4 - Account - EC128 ▾ 1 of 1

Code Part Name: Account
Control Type: EC128

Posting Type: IP4
Code Part Name: Account
Default Value No CT Value: 2610
Valid From: 8/9/2024

Business Transaction Code

Business Transaction Code	Description	Account
<input type="checkbox"/> : 100	Venda de Mercadoria	2610 - Output VAT, not reduced
<input type="checkbox"/> : 103	Compra de Serviço	2611 - Output VAT on sales in Sweden, not reduced

20.9 Delimitations

No known delimitations.

21 Nota Fiscal Issue Date as Applied Date on Inventory Transactions for Goods Issue

21.1 Overview Legal Requirement

According to the Brazilian tax legislation, taxes must be paid on the Nota Fiscal issue date. The accounting practice says that revenues must be recognized at goods issue and that revenues are posted including taxes. These requirements can be fulfilled by ensuring that the Nota Fiscal issue date is set to the applied date on related inventory transactions for goods issue.

21.2 Process Overview

This process ensures the applied date on inventory transactions for goods issue is updated with the Nota Fiscal issue date, in a scenario where the Nota Fiscal is issued on a date after the Customer Order has been set to “Delivered” in IFS.



21.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter and the “Nota Fiscal issue date applied on inventory transactions for goods issue” parameter must be enabled.

21.4 Deliver customer order

Deliver the Customer Order following IFS standard process. During this step OESHIP inventory transactions will be created with the date on which the record was created as Applied Date (standard functionality).

21.5 Create Customer Invoice and send NF-e XML to Tax Authority

Create the preliminary Customer Invoice and send the NF-e XML to tax authority (SEFAZ) for authorization. Once the NF-e XML file is approved by the tax authority, the Customer Invoice can be printed and posted, the Nota Fiscal issue date is defined and is set on the F Voucher created.

See further information in the *Outgoing Nota Fiscals* chapter.

21.6 Set Nota Fiscal Issue Date as applied date on inventory transactions

In this automated step the IFS standard function “Modify Date Applied” is used to compare the Applied Date on the OESHIP inventory transactions (generated when the customer order was delivered in IFS) with the Nota Fiscal issue date (after acceptance from the tax authority). If the Nota Fiscal issue date is later than the date on the transactions, the Applied Date on these will be updated automatically to be the same as the Nota Fiscal issue date (if the conditions described in the Delimitations chapter are fulfilled).

Inventory Transactions History

Modify Date Applied

(1) ✓	Transaction ID	Transaction Code	Part	Site	Direction	Quantity	Applied Date
<input checked="" type="checkbox"/>	227194	OESHIP - Ship Inventory I	DU:BR:INV:1 - DU:BR:...	DUBR1 - DU:BR:S1	-	1 PCS	2020-09-01

Customer Invoice

DU:BR-1 - DU:BR-1 - 38 - CUSTORDDEB - V10540 1 of 1

Posted Auth

Share Credit/Correction Invoice Posting Installation Plan and Discounts Notes Add/Remove Invoice Fee

Customer No	Customer Address Name	Series ID	Invoice No	Company	Site	Invoice Created	Order Created
DU:BR-1	DU:BR-1	CD-1	38	DU:BRAZIL-01	DUBR1	2020-09-02	2020-09-02

Amounts

Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	131,95	100,00	31,95	1	1

LINES GENERAL **NF-E INFORMATION** HISTORY

Issue Date	NF-e Key	NF-e Protocol No	NF-e Processing Date
2020-09-02	122009608812990004056500900000031100...	135180015173174LOL	2020-09-02

NF-e Status Code: 100
Return Message: Autorizado o uso da NF-e

Inventory Transactions History

✓	Transaction ID	Transaction Code	Part	Site	Direction	Quantity	Applied Date
<input type="checkbox"/>	227194	OESHIP - Ship Inventory I	DU:BR:INV:1 - DU:BR:...	DUBR1 - DU:BR:S1	-	1 PCS	2020-09-02

21.7 Transfer Inventory Transactions

Use the IFS standard function **Transfer Inventory Transactions** to transfer the transactions to IFS Financials. In this step vouchers will be created in General Ledger and the date on the created MPL voucher will be equal to the date on the Customer Invoice F voucher.

21.8 Delimitations

The solution is based on the IFS standard function “Modify Date Applied”. This function has several conditions that must be fulfilled before the date on an inventory transaction can be changed:

- The inventory transaction may not have **Has Transferred Postings** selected.
- The transaction may not have been transferred to IFS Financials.
- The transaction may not be included in the inventory statistics.
- The new date of the transaction must be later than or the same as the start date of the latest period in the inventory value statistics and cannot be later than the current date.
- The new date may not belong to an accounting period that has already been closed.
- The date for a reverse transaction must not be earlier than the original transaction.

22 Cancel PostedAuth Customer Order Invoices

22.1 Overview Legal Requirement

The general rule stated by Brazilian government says that companies are allowed to cancel authorized Nota Fiscals up until 24 hours from the issue date and time. There are some scenarios that still allow cancellation even after 24 hours (can be connected to penalty fee or audit).

22.2 Process Overview



This functionality enables to cancel Posted/Printed or PostedAuth Customer Invoice. Once the Invoice is cancelled:

- Invoice is set to the status, “Cancelled”
- K voucher created reverts the original F voucher postings
- Customer Order moves back to the status “Picked”.

22.3 Prerequisites

The parameter “Allow Cancel Customer Invoice” parameter must be enabled in **Application Base Setup/Enterprise/Company/Company**, Invoice tab for selected Company:

Invoice

Q Search (1)

>> BNFx - Brazilian Company 1 of 1

Company: BNFx, Name: Brazilian Company, Association No: , Created By: ROALBR

GENERAL | DEFAULT INVOICE TYPES | PO MATCHING | DOCUMENT MANAGEMENT | NF-E COMPLIANCE

Posting Parameters

Miscellaneous Parameters

Planned Payment Date Calculation Base *	Unique Supplier Invoice No Per *	Incoming Invoice Currency Rate Base *	Outgoing Invoice Currency Rate Base *
Pay. Term Base Date	Supplier and Invoice Series	Voucher Date	Invoice Date
Process Type	Official Document Number Generation *	Supplier Invoice Authorization Only by Separate Fun...	Cash Discount Based on Gross Amount
Set Invoice Date to Current Date When Printing Out...	Print Advance Payments Information on Customer I...	Unique Payment Reference Validation	Allow Cancel Customer Invoice
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

23 Taxes in Intracompany Goods Movement

23.1 Overview Legal Requirement

According to the Brazilian tax regulations, when goods are moved from one site of the company to another site of the same company (e.g., movements between municipals within the country):

- Taxes should be calculated and paid by the sending site.
- The receiving site can take the input tax credit if goods are not used for own purpose.
- If goods are used for own purpose in the receiving site, inventory cost at arrival should be increased by the tax amount.

It's a legal requirement to issue a Fiscal Note for business transactions related to transfer of goods.

The **Tax Document** functionality has been introduced to support tax calculations and postings for intracompany goods movement scenarios, such as;

- Site to Site
- Site to Remote Warehouse
- Remote Warehouse to Site
- Remote Warehouse to Remote Warehouse

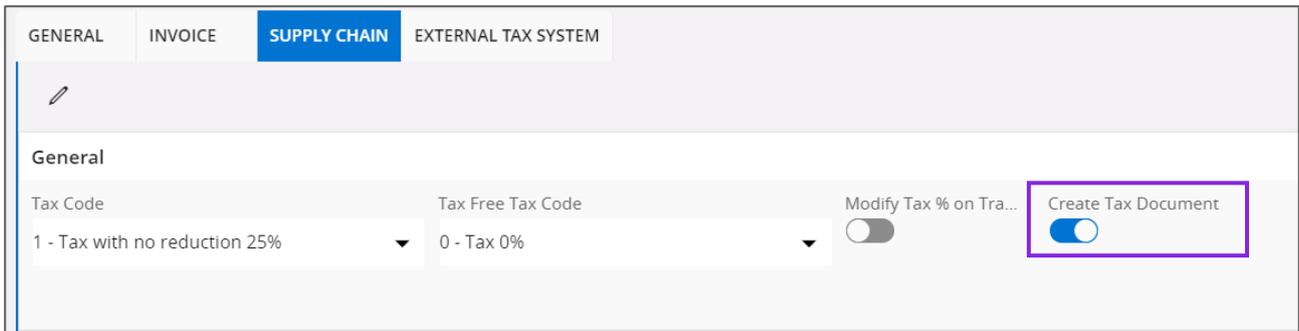
The Tax Document is developed as generic core functionality and not controlled by LCC parameter, and it can be created Manually or Automatically by disabling and enabling the **Automatic Creation of Tax Document** toggle in the Shipment Type. For Brazil the Tax Document is integrated with Outgoing/Incoming Nota Fiscal functionality.

23.2 Process Overview



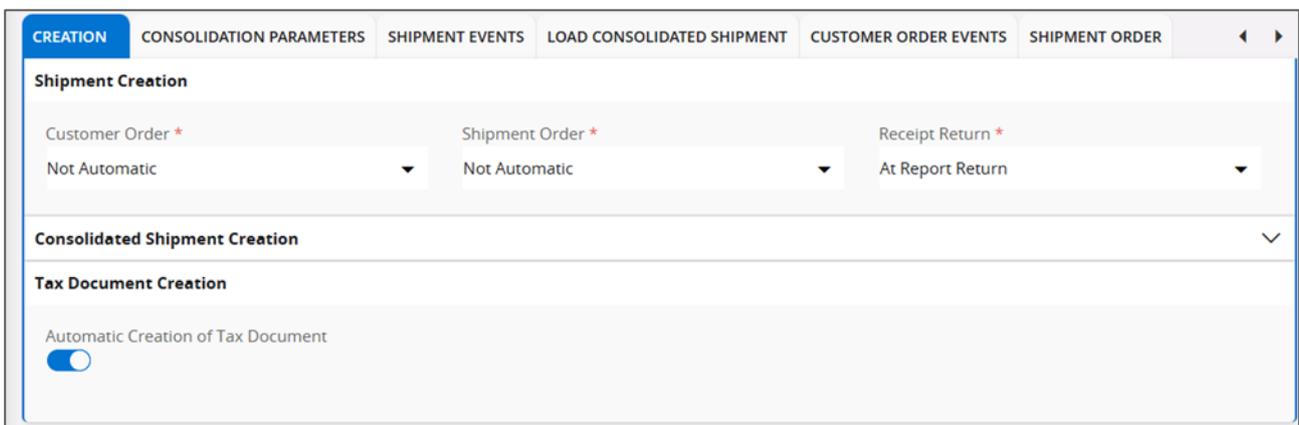
23.3 Prerequisites

Go to **Company/Tax Control/Supply Chain** page and enable “Create Tax Document” parameter.



The screenshot shows the 'EXTERNAL TAX SYSTEM' configuration page with the 'SUPPLY CHAIN' tab selected. Under the 'General' section, the 'Create Tax Document' parameter is a toggle switch that is currently turned on (blue). Other visible parameters include 'Tax Code' (1 - Tax with no reduction 25%), 'Tax Free Tax Code' (0 - Tax 0%), and 'Modify Tax % on Tra...' (disabled).

Go to **Shipment Type/Creation** page and enable “Automatic Creation of Tax Document” parameter to create Outgoing Tax Document automatically.



The screenshot shows the 'SHIPMENT ORDER' configuration page with the 'CREATION' tab selected. Under the 'Tax Document Creation' section, the 'Automatic Creation of Tax Document' parameter is a toggle switch that is currently turned on (blue). Other visible parameters include 'Customer Order *' (Not Automatic), 'Shipment Order *' (Not Automatic), and 'Receipt Return *' (At Report Return).

23.4 Define Basic Data

The attributes Acquisition Origin, Acquisition Reason and Goods/Services Statistical Code has been added to Inventory Part. Values entered here are fetched as default values when an Outgoing Tax Document line is created for the particular Inventory Part.

Inventory Part BR-INVPART44 - BR 3 of 3

Part Pages | Inventory Details | Cost | Warranty | Copy Part | Document Text | MRB Cases | Manufacturing MRO | Part Revisions

...

MAIN	ALTERNATE PARTS	CHARACTERISTICS	MANUFACTURING
General			Cost Control
Classification			Identification
Counting			Weight, Volume and Quantities
Supply and Demand Controls			Warranty
Lead Times and Supply Dates			Putaway
Shelf Life			Origin and Customs
Goods/Services Statistical Code			Supersession
Goods/Services Statistical Code 89000222 - Statistical code			Acquisition
			Acquisition Reason Id RES - Resale of goods
			Acquisition Origin 0 - National

23.5 Create and process Shipment Order or Internal Customer Order (Demand Code IPT or DO)

Create a Shipment Order or Internal Customer Order (demand code IPT or DO) for any of below goods movement scenarios within the same company, using IFS Cloud standard functionality.

- Site to Site
- Site to Remote Warehouse
- Remote Warehouse to Site
- Remote Warehouse to Remote Warehouse

Use a Shipment Type that creates a shipment when releasing the Shipment Order or Internal Customer Order (demand code IPT or DO). Release the Shipment Order or Internal Customer Order and process the connected Shipment until Completed state using IFS Cloud standard functionality. Create the Outgoing Tax Document via the command in Shipment header - **Create Outgoing Tax Document**. An Outgoing Tax Document will be created in Preliminary state.

Otherwise enable the **Automatic Creation of Tax Document** toggle in the Shipment Type page and proceed with the connected shipment until the Complete state, then **Outgoing Tax Document** will be created automatically in Preliminary state.

Outgoing Tax Document

Search (1)

236 1 of 1

Cancel Floating Analysis Shipment

Tax Document No 236	Series ID	Series No	Source Ref Type Shipment
Source Reference 1182	Created Date 1/21/2028	Voucher Date	

Total Amounts

Total Net Amount 0.00	Total Tax Amount	Total Gross Amount	Currency BRL
--------------------------	------------------	--------------------	-----------------

GENERAL LINES

Sender				Receiver			
Sender Type Site	Sender ID BR-02	Sender Description Brazil - Supply Site		Receiver Type Customer	Receiver ID BR2-INCUS	Receiver Description Brazilian Internal Customer	Print Customer <input type="checkbox"/>
Sender Address				Receiver Address			
Address Source Company	Address Source ID BRAZL-COM	Document Address ID AD1-BR2	Delivery Address ID AD1-BR2	Address Source Customer	Address Source ID BR2-INCUS	Document Address ID AD1-BR2-INCUS	Delivery Address ID AD1-BR2-INCUS
Branch BR02	Sender Delivery Tax ID Number			Receiver Delivery Address Name Brazilian Internal Customer	Single Occurrence <input checked="" type="checkbox"/>	Address* Lago do Forno da Barra AQ-0000 Salvador	Receiver Delivery Tax ID Number

23.6 Process Tax Document with Nota Fiscal

23.6.1 OUTGOING NOTA FISCAL

Once the Outgoing Tax Document is created the Brazil specific attributes (Business Transaction ID on the header and Acquisition Origin, Acquisition Reason, Goods/Services Statistical Code and Business Operation on Tax Document line) and tax information, such as Tax Calculation Structure or Tax Codes, must be entered. When the shipment is delivered the average cost from the inventory transaction SHIPODSIT- / SHIPODWHS- / SHIPTRAN- are transferred to the Outgoing Tax Document and the taxes are then calculated. At this point the Outgoing Nota Fiscal can be created. The creation of the Outgoing Nota Fiscal is either a manual or automatic process.

Manual creation of Outgoing Nota Fiscal

*Company flag "Manually process Outgoing Nota Fiscal" has to be enabled in the **Company/Invoice/NF-E compliance** tab.*

The Outgoing Nota Fiscal is created via a command from the Outgoing Tax Document header. Once using the creation command the application is validating if all mandatory data is there to create an Outgoing Nota Fiscal. If all mandatory data is not registered the Outgoing Nota Fiscal can't be created. Once the Outgoing Nota Fiscal is created, the document has to be sent to the Tax authorities. This can be sent by the command in header **Send Nota Fiscal**.

Automatically creation of Outgoing Nota Fiscal

Company flag "Manually process Outgoing Nota Fiscal" must be disabled in Company/Invoice/NF-E compliance tab.

When the connected shipment is delivered and the cost and taxes are calculated on the Outgoing Tax Document, the Outgoing Nota Fiscal is created automatically. Once the Outgoing Nota Fiscal is created, it is automatically sent to the Tax authorities for approval.

23.6.2 RESPONSE FROM TAX AUTHORITIES

Below table shows how Outgoing Tax Document and Shipment statuses gets affected by different responses from Tax Authorities for the Nota Fiscal.

23.6.3 INCOMING NOTA FISCAL

After receiving approval from the Tax Authorities for the Outgoing Nota Fiscal, the Outgoing Tax Document is posted, and the creation of Incoming Nota Fiscal and Incoming Tax Document is either a manual or Automatic process.

Manual creation of Incoming Nota Fiscal

*Company flag "Manually process Incoming Nota Fiscal" must be enabled in **Company/Invoice/NF-E compliance** tab*

When the Outgoing Nota Fiscal is approved by tax authorities, the Incoming Nota Fiscal can be created via the header command **Create Incoming Nota Fiscal**. As soon as the incoming Nota

NF Transaction	Nota Fiscal Status	Outgoing Tax Document Status	Shipment Status
NF Created	Initiated	Preliminary	Completed
Response received, status Code 110	Declined	Cancelled (Preliminary Tax Document)	Completed (next step: Deliver)
Response received, status Code 100	Approved	Posted	Completed
Limited in this release Request to cancel the approved Nfe (Means Tax Document is Posted when sending the Request) - Response Status code 135	Cancelled	Cancelled (Posted Tax Document)	Completed (next step: Deliver)
Limited in this release Response Received Status code 999, 155 etc	Error	Preliminary 1. Rectify the error and re-send the Nfe from Nota Fiscal (use same Nfe no) 2. a) Send a Void Request from a Nota Fiscal b) Approved void Request, cancel the preliminary tax document	1. Completed 2. a) send a void request = Completed or closed (step: Delivered) b) Approved void request = Completed (next step: Deliver)
Preliminary Outgoing Tax Document cancelled (connected to a NF)	This functionality is restricted validating whether a Nfe is connected		

Fiscal is manually approved, the Incoming Tax Document can be created via the command in Incoming Nota Fiscal Header **Create Incoming Tax Document**. The Incoming Tax Document will be a mirror image of the Outgoing Tax Document. Now the postings can be done manually from the command in header **Post Tax Document**.

Automatic creation of Incoming Nota Fiscal

*Company flag "Manually process Incoming Nota Fiscal" has to be disabled in **Company/Invoice/NF-E compliance** tab.*

When the Outgoing Tax Document is approved by tax authorities, the Incoming Nota Fiscal is created automatically. Once the Incoming Nota Fiscal is manually approved the Incoming Tax Document is created and posted automatically. The Incoming Tax Document will be a mirror image of the Outgoing Tax Document.

Incoming Tax Document 222 Preliminary

Post Tax Document Cancel Posting Analysis

Tax Document No	Source Ref Type	Source Reference	Created Date
222	Shipment	1438	2022-08-12

Originating Outgoing Tax Document No
221

Total Amounts

Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
15,00000	6,45000	21,45000	BRL

GENERAL | LINES

Sender		Receiver	
Sender Type	Sender ID	Receiver Type	Receiver ID
Site	HPBR1	Site	HPBR2
Sender Description	Sender Document Address	Receiver Description	Receiver Document Address
HP Brazil Site 1	1	Hp Brazil Site 2	2
Sender Delivery Address	Branch	Receiver Delivery Address	Receiver Delivery Address Name
1		2	
		Single Occurance	

23.7 Tax Document With 3rd Party External Tax System

Brazil country specifics basic data must be entered to be able to use the Brazil Avalara in the Intracompany goods movement scenario.

To use the Brazil external tax system (Avalara) in the intracompany goods movement scenario, first an Outgoing Tax Document must be created. When an Outgoing Tax Document is available the Brazil specific attributes have to be entered, such as Business Transaction ID on the header and Acquisition Origin, Acquisition Reason, Goods/Services Statistical Code and Business Operation on Tax Document line. Tax calculation structure or Tax codes should not have any value. Once delivering the connected shipment the call to receive taxes from Avalara is done. The Brazil Avalara is then sending calculated taxes back to IFS Cloud and the taxes are calculated on the Outgoing Tax Document. From here the Nota Fiscal process continues as described above.

23.8 Postings

23.8.1 OUTGOING TAX DOCUMENT

Following basic data are used when posting the Outgoing Tax Document:

- Voucher Type: MPT
- Function Group: LT
- Business Events: ICBS-TAX - Intracompany Tax – Sender

Posting Type	Posting Type Description	Debit/Credit	Control type
M297	Tax Disbursed, Intracompany Part Movements	Credit	AC7 – Tax Code

M298	Counter Posting, Tax Disbursed, Intracompany Part Movements	Debit	AC1 – Fixed Value
------	-------------------------------------------------------------	-------	-------------------

23.8.2 INCOMING TAX DOCUMENT

Following basic data are used when posting the Incoming Tax Document:

- Voucher Type: MPT
- Function Group: LT
- Business Events: ICBS-TAX - Intracompany Tax – Receiver

Posting Type	Posting Type Description	Debit/Credit	Control type
M300	Counter Posting, Tax Received, Intracompany Part Movements	Credit	AC1 – Fixed Value
M299	Tax Received, Intracompany Part Movements	Debit	AC1 – Fixed Value

In **Tax Document Posting Analysis** page both successful and erroneous postings can be viewed. In case of erroneous postings, when rectified the error the posting can be rerun through command **Post Tax Document** in both Outgoing and Incoming Tax Document.

Tax Document Posting Analysis 22 ▾ 1 of 1

⏪ ⏩ ⌵

Tax Document No	Sender	Receiver	
22	HPBR1	HPBR2	Outgoing
Currency	Error		
BRL	No		

Amounts

Net Amount	Tax Amount	Gross Amount
20,00	8,60	28,60

Posting Information

☰ ⌵ ⏪ ⏩

✓	⋮	Voucher No	Voucher Type	Voucher Date	Posting Type	Posting Event	Account	Cost Center	Co
<input type="checkbox"/>	⋮	2022000002	MPT	2022-01-18	M297	ICBS-TAX	2610		
<input type="checkbox"/>	⋮	2022000002	MPT	2022-01-18	M298	ICBS-TAX	2699		
<input type="checkbox"/>	⋮	2022000002	MPT	2022-01-18	M297	ICBS-TAX	2610		
<input type="checkbox"/>	⋮	2022000002	MPT	2022-01-18	M298	ICBS-TAX	2699		

23.9 Handling of Non-deductible Taxes

When moving goods between sites of the same company, if the goods received in the demand site are used for own purpose (meaning demand site cannot take the input tax credit), then inventory cost applicable for the demand site should be increased by the nondeductible tax amount. In Brazil the most common scenario is either the taxes will be 100% deductible or 0% deductible.

Handling non-deductible taxes for standard cost parts

When handling the standard cost parts in purchasing flow, the non-deductible tax amount is treated as a price difference in invoice matching. New posting types are introduced to handle this difference in supplier invoice matching. Therefore, when handling non-deductible taxes for standard cost parts in intra company goods movements, we need to follow a similar approach. The non-deductible tax amount should be posted separately when generating tax postings for incoming tax document, using a new posting type.

A new posting type needs to be introduced to handle it along with tax document postings. Following new posting type should be created. This will not be connected to a default account and user needs to manually define the required account in **posting control** page.

Posting Type	Description	Component
M303	Non-Deductible Tax, Intracompany Part Movements	INVENT

Following control types will be enabled.

- AC1 – Fixed Value
- AC7 – Tax Code

Calculation of non-deductible taxes

In Brazil, when moving goods between sites/RWHs of the same company, the same tax code will be applicable for both sites. Therefore, when creating the tax postings in the demand site, system should check if the applicable tax code has any non-deductible tax percentage. If so, the non-deductible tax should be posted using the above new posting type.

The inventory postings created for the logistics movements will not have any impact. They will be created as it is and non-deductible tax amount will be posted through the tax postings of incoming tax document. Please see below example for more information.

- Assume parts are moved between two sites of the same company.
- Standard cost of the part in both sites is 100.
- Quantity moved between sites 10.

100% Deductible Scenario

- Applicable tax code in both sites 10% and 100% deductible
- Calculated total tax %: $100 \times 10 \times 10\% = 100$
- Deductible%: $100 \times 100\% = 100$
- Nondeductible%: $100 \times 0\% = 0$

Tax document postings

Supply Site	Outgoing TD		Dr	Cr
		M297		100
		M298	100	

Demand Site	Incoming TD		Dr	Cr
		M299	100	
		M300		100

2610	2699
M297 100	M298 100 M300 100
2641	
M299 100	

Since there are no nondeductible taxes involved, nothing to be posted under non-deductible posting type (M303).

0% Deductible Scenario

- Applicable tax code in both sites 10% and 0% deductible
- Calculated total tax %: $100 \times 10 \times 10\% = 100$
- Deductible%: $100 \times 0\% = 0$
- Nondeductible%: $100 \times 100\% = 100$

Tax Document Postings

Supply Site	Outgoing TD		Dr	Cr
		M297		100
		M298	100	

Demand Site	Incoming TD		Dr	Cr
		M303	100	
		M300		100

2610	2699
M297 100	M298 100 M300 100
Acc XXXX	
M303 100	

Since the taxes are 100% nondeductible, the full nondeductible tax amount is posted against M303 under incoming tax document in demand site.

Handling of Multiple Taxes

The above examples are mainly for the basic scenario where you have a single tax code. But the most practical scenario would be to have multiple tax codes (tax structures) with different deductible tax percentages in each of them. Below example explains how the postings should be created for multiple tax scenarios.

- Assume parts are moved between two sites of the same company.
- Standard cost of the part in both sites is 100.
- Quantity moved between sites 10.

Tax Structure used in the goods movement has the following tax codes:

- Tax code1 - 10% and 40% deductible
- Tax code2 – 20% and 100% deductible
- Tax code3 – 15% and 0% deductible

Taxes will be calculated as follows for the above tax codes:

Tax Code	Tax Base Amount	Total Tax Amount	Deductible Amount	Nondeductible Amount
Tax code1 - 10% & 40% deductible	$100 \times 10 = 1000$	$1000 \times 10\% = 100$	$100 \times 40\% = 40$	$100 \times 60\% = 60$
Tax code2 – 20% & 100% deductible	$100 \times 10 = 1000$	$1000 \times 20\% = 200$	$200 \times 100\% = 200$	$200 \times 0\% = 0$
Tax code3 – 15% & 0% deductible	$100 \times 10 = 1000$	$1000 \times 15\% = 150$	$150 \times 0\% = 0$	$150 \times 100\% = 150$

Tax Document Postings

Supply Site	Outgoing TD		Dr	Cr
		M297		100
		M298	100	
		M297		200
		M298	200	
		M297		150
		M298	150	

Demand Site	Incoming TD		Dr	Cr
		M299	40	
		M303	60	
		M300		100
		M299	200	
		M300		200
		M303	150	
		M300		150

2610			2699			
	M297	100	M298	100	M300	100
	M297	200	M298	200	M300	200
	M297	150	M298	150	M300	150

Acc XXXX			2641	
M303	60		M299	40
M303	150		M299	200

***Even though two sites have different standard costs, still the taxes and nondeductible taxes should be calculated based on the cost in supply site. This is because when goods are sent from the supply site, it's the supply site cost that should be considered as the applicable price/cost for the demand site.

Handling of non-deductible taxes for weighted average/FIFO/LIFO parts

For the weighted average/FIFO/LIFO parts, the non-deductible tax amount should be absorbed as a part of inventory cost for the demand site. Therefore, it was decided to add the nondeductible tax amount to the INTORDTR transaction created against the demand site at the point of delivering the goods from the supply site. When calculating the new WA cost applicable for the demand site it will automatically consider the non-deductible tax portion which is already absorbed into INTORDTR transaction.

A new posting type needs to be introduced to handle it along with tax document postings. Following new posting type should be created. This will not be connected to a default account and user needs to manually define the required account in **posting control** page.

Posting Type	Description	Component
M304	Non-Deductible Tax, Order Transit	INVENT

Following control types will be enabled.

- AC1 – Fixed Value
- AC7 – Tax Code

This is how the posting should be created in WA scenario.

Example:

- Assume parts are moved between two sites of the same company.
- WA cost of the part in Supply sites is 100
- Quantity moved between sites 10
- WA cost of the part in demand site is 200 and existing qty in demand site is 10
- Applicable tax code in both sites 10% and 40% deductible
 - Calculated total tax %: $100 \times 10 \times 10\% = 100$
 - Deductible%: $100 \times 40\% = 40$
 - Nondeductible%: $100 \times 60\% = 60$

Created inventory transactions:

Note: Bellow sample is done for Shipment Order scenario and same functionality will apply for Internal Customer Order (Demand Code IPT, Distribution Order) when moving the goods within same company.

T Accounting

Supply Site	SHIPODSIT- - Deliver Shipment Order to a site in the same company		Dr	Cr
		M4	1000	
		M1		1000

Demand Site	INTORDTR - Move to Internal Order Transit due to Issue *** This is how it will work after handling the ND tax		Dr	Cr
		M3	1060	
		M4		1060
		M4	60	
		M156		60

New weighted average applicable to the demand site = $(1060 + (200 \times 10))/20 = 153$
 Total amount to be posted = $153 \times 10 = 1530$

Demand Site	SHIPODSIT+ - Receive Shipment Order from a site in the same company		Dr	Cr
		M1	1530	
		M3		1530

1400			
	M1	1000	
M3	1060		
M1	1530	M3	1530
2590		2530	

1405			
M4	1000		
		M4	1060
M4	60		
1060		1060	

*** Inventory value increased by 60 (2590 – 2530)

	M156	60
--	------	----

|

Tax Document Postings

Supply Site	Outgoing TD		Dr	Cr
		M297		100
		M298	100	

Demand Site	Incoming TD		Dr	Cr
		M299	40	
		M300		40
		M304	60	
		M300		60

<div style="text-align: right; margin-bottom: 5px;">2610</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 20%; text-align: right;">M297</td> <td style="width: 20%; text-align: right;">100</td> </tr> </table>		M297	100	<div style="text-align: right; margin-bottom: 5px;">2699</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"></td> <td style="width: 20%; text-align: right;">M298</td> <td style="width: 10%; text-align: right;">100</td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">M300</td> <td style="width: 10%; text-align: right;">40</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">M300</td> <td style="text-align: right;">60</td> </tr> </table>		M298	100		M300	40					M300	60
	M297	100														
	M298	100		M300	40											
				M300	60											

<div style="text-align: right; margin-bottom: 5px;">2641</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 20%; text-align: right;">M299</td> <td style="width: 20%; text-align: right;">40</td> </tr> </table>		M299	40	
	M299	40		

<div style="text-align: right; margin-bottom: 5px;">XXXX</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"></td> <td style="width: 20%; text-align: right;">M304</td> <td style="width: 20%; text-align: right;">60</td> </tr> </table>		M304	60	
	M304	60		

Handling of Different Scenarios

The goods movement using shipment order can be done for lot of different scenarios like Site to Site, Site to RWH, RWH to RWH etc. But the non-deductible tax handling should be done only for the goods movements done between two sites. This means only for the scenarios where the following set of transactions are created.

- Supply Site: SHIPODSIT- - Deliver Shipment Order to a site in the same company
- Demand Site: INTORDTR - Move to Internal Order Transit due to Issue
- Demand Site: SHIPODSIT+ - Receive Shipment Order from a site in the same company

Few example scenarios where the above transactions are created:

- Movement between two sites of the same company

- Movement from a site to a RWH of another site of the same company
- Movement between two RWHs of two sites of the same company

Apart from above scenarios, all the other scenarios are similar to goods movement between two locations of the same site, and non-deductible taxes need not to be calculated for such scenarios.

23.10 Delimitations

- Manual entering of multiple tax codes in Outgoing Tax Document tax dialog are not supported in this release, only single tax code, tax calculation structure or Brazil Avalara tax integration.
- The following responses from tax authorities are not supported in this release:

24 Taxes 100% or 0% Deductible

24.1 Legal Requirement

In IFS Cloud, when the External Tax System (Avalara) is selected for a Brazilian Company, the External Tax Codes Mapping must be configured, in order to get taxes calculated and recorded in the Purchase Order line, or else External Supplier Invoice Tax Codes must be used when reading Incoming Nota Fiscal file from XML file.

In Brazil, the possibility of taxes being deductible or non-deductible in Incoming Transactions, is directly related to the reason why the Company purchases the goods. This is indicated from the “Acquisition Reason” defined for a relevant Part. In the context of Brazilian tax type categories, **ICMS, IPI, PIS, and COFINS** are always 0 or 100% deductible, and partial deduction will not be applied.

In the current solution, the fixed Deduction % (0 or 100) defined in the Tax Codes used in the External Tax Code Mapping will always be applied regardless of the real scenarios the goods are framed into. This setup is not flexible enough in the context Brazilian taxes, **ICMS, IPI, PIS, and COFINS**. Therefore, it is necessary to determine the taxes being deductible or not based on the defined “Acquisition Reason” in the company.

24.2 Process Overview Procurement



24.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Integration to Brazilian External Tax System” parameter must be enabled.

Select “Avalara Tax - Brazil” as the External Calculation Method in page **Application Base Setup/Enterprise/Company/Company/Tax Control** and tab **External Tax System**.

24.4 Enter Basic Data

Navigate to “Acquisition Reason” page from **Application Base Setup/General Data/Acquisition Reason** and define whether taxes are 100% or 0% deductible in the relevant columns, “Appropriate IPI Credit”, “Appropriate ICMS Credit” and “Appropriate PIS/COFINS Credit”.

Application Base Setup > General Data > Acquisition Reason

Company SAKWLK BRAZIL COMPANY

Acquisition Reason

Search

Translation

Acquisition Reason ID	Description	External Use Type	Appropriate IPI Credit	Appropriate ICMS Credit	Appropriate PIS/COFINS Credit
UC	Goods for Use and Consumption	Use or Consumption	0% Deductible	0% Deductible	0% Deductible
AG	Agricultural Produce	Agricultural Production	100% Deductible	100% Deductible	100% Deductible
FA	Fixed Assets	Fixed Assets	0% Deductible	100% Deductible	0% Deductible
PR	Inputs for Production	Production	100% Deductible	100% Deductible	100% Deductible
RS	Goods for Resale	Resale	100% Deductible	100% Deductible	100% Deductible

Define a 100% deductible tax code and a 0% deductible tax code related to Brazilian specific Tax type categories, IPI, ICMS, PIS and COFINS in **Accounting Rules/ Tax/ Tax Codes** page. The tax rates need to be defined as 0% to map these tax codes in the “External Tax Codes Mapping” page.

Accounting Rules > Tax > Tax Codes

Company SAKWLK BRAZIL COMPANY

Tax Codes

Search

Tax Code	Description	Tax Type Category	Tax Type	Tax (%)	Deductible (%)	Valid From	Valid To	Tax Method Tax Received	Tax Method Tax Disbursed	Tax Amou Printout
COFINS 0%	COFINS 0%	COFINS	Tax	0	100	1/1/2024	12/31/2049	Invoice Entry	Invoice Entry	Separate
COFINS 0% - COST	COFINS 0% - COST	COFINS	Tax	0	0	1/1/2024	12/31/2049	Invoice Entry	Invoice Entry	Separate
ICMS 0%	ICMS 0%	ICMS	Tax	0	100	1/1/2024	12/31/2049	Invoice Entry	Invoice Entry	Separate
ICMS 0% - COST	ICMS 0% - COST	ICMS	Tax	0	0	1/1/2024	12/31/2049	Invoice Entry	Invoice Entry	Separate
IPI 0%	IPI 0%	IPI	Tax	0	100	1/1/2024	12/31/2049	Invoice Entry	Invoice Entry	Separate
IPI 0% - COST	IPI 0% - COST	IPI	Tax	0	0	1/1/2024	12/31/2049	Invoice Entry	Invoice Entry	Separate
PIS 0%	PIS 0%	PIS	Tax	0	100	1/1/2024	12/31/2049	Invoice Entry	Invoice Entry	Separate
PIS 0% - COST	PIS 0% - COST	PIS	Tax	0	0	2/1/2024	12/31/2049	Invoice Entry	Invoice Entry	Separate

Define the relevant 0% or 100% or both Tax Codes in the **Application Base Setup/Enterprise/Company/Company/Tax Control/External Tax Codes Mapping** page for the relevant Tax Type Category.

Application Base Setup > Enterprise > Company > Company > Tax Control > External Tax Codes Mapping

Company: SAKWLK BRAZIL COMPANY

External Tax Codes Mapping

Search

✓	Tax Type Category	Tax Code	Appropriation of Credit	Tax (%)	Tax In Tax Base	Tax Type
<input type="checkbox"/>	ICMS	ICMS 0% - COST - ICMS 0% - COST	0% Deductible	0	Yes	Tax
<input type="checkbox"/>	ICMS	ICMS - 0% - ICMS - 0%	100% Deductible	0	No	Tax

The “Appropriation of Credit” column will be automatically updated based on the Tax details for the relevant Tax code in the “Tax Codes” page.

24.5 Enter Purchase Order

Follow standard functionality to enter a Purchase Order. Select an option for Business Transaction ID and save. Go to Part Lines and fetch Part details for “Acquisition Reason”, “Acquisition Origin” and “Goods/Services Statistical Code”. If a default value has been set on the Part this value will be shown here. It can be changed if needed.

Save the Part Line details and taxes will be calculated through Avalara.

91001578 - SAKWLK BRAZIL SUPP - SW-S1 1 of 3

Planned

Order No: 91001578 | Supplier: SAKWLK BRAZIL SUPP - SAKWLK BRAZIL SUPPLIER | Site: SW-S1 - SAKWLK Brazil Site 1 | Order Code: 1 - NORMAL | Receipt Date: 2/20/25, 12:00 ... AKST

Not Shared

Order Amounts

Total Net Amount/Base	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
72.75 BRL	72.75 BRL	27.25 BRL	100.00 BRL

PART LINES

Part Description	Quantity	Taxab...	Price/Curr	Price incl Tax/Curr	Price UoM	Price/Base	Price incl Tax/Base	Acquisition Reason	Acquisition Origin	Goods/Services Statistical C
SAKWL...	1	Yes	72.75	100.00	PCS	72.75	100.00	PR - Inputs for Production	0 - Nacional, exceto as indicadas no...	60011010 - De algodao

Relevant tax code whether 100% or 0% deductible will be fetched based on the details in “Appropriate IPI Credit”, “Appropriate ICMS Credit” and “Appropriate PIS/COFINS Credit” defined in the “Acquisition Reason” page.

NF Transaction		Nota Fiscal Status	Outgoing Tax Document Status	Shipment Status																																																												
Purchase Order Line Taxes																																																																
Gross Amount/Curr 10000.00	Net Amount/Curr 8200.00	Tax Amount/Curr 0.00	Non-deductible Tax Amount/Curr 1800.00																																																													
Total Tax Amount/Curr 1800.00																																																																
<table border="1"> <thead> <tr> <th>Tax Base Amount</th> <th>Tax Code</th> <th>Tax Type</th> <th>Impact On Net Amount</th> <th>Tax(%)</th> <th style="border: 2px solid red;">Deductible(%)</th> <th>Tax Amount/Curr</th> <th>Tax Amount/Base</th> <th>Non-deductible Tax/Curr</th> <th>Total Tax Amount</th> <th>CST Code</th> <th>Legal Tax Class</th> </tr> </thead> <tbody> <tr> <td>0.00</td> <td>COPING-COST</td> <td>Tax</td> <td>Tax Inclusive</td> <td>0</td> <td style="border: 2px solid red;">0</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>70</td> <td></td> </tr> <tr> <td>10000.00</td> <td>ICMS-COST</td> <td>Tax</td> <td>Tax Inclusive</td> <td>18</td> <td style="border: 2px solid red;">0</td> <td>0.00</td> <td>0.00</td> <td>1800.00</td> <td>1800.00</td> <td>90</td> <td></td> </tr> <tr> <td>10000.00</td> <td>IPV-COST</td> <td>Tax</td> <td>Tax Exclusive</td> <td>5.2</td> <td style="border: 2px solid red;">0</td> <td>0.00</td> <td>0.00</td> <td>520.00</td> <td>520.00</td> <td>49</td> <td>999</td> </tr> <tr> <td>0.00</td> <td>PIS-COST</td> <td>Tax</td> <td>Tax Inclusive</td> <td>0</td> <td style="border: 2px solid red;">0</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>0.00</td> <td>70</td> <td></td> </tr> </tbody> </table>					Tax Base Amount	Tax Code	Tax Type	Impact On Net Amount	Tax(%)	Deductible(%)	Tax Amount/Curr	Tax Amount/Base	Non-deductible Tax/Curr	Total Tax Amount	CST Code	Legal Tax Class	0.00	COPING-COST	Tax	Tax Inclusive	0	0	0.00	0.00	0.00	0.00	70		10000.00	ICMS-COST	Tax	Tax Inclusive	18	0	0.00	0.00	1800.00	1800.00	90		10000.00	IPV-COST	Tax	Tax Exclusive	5.2	0	0.00	0.00	520.00	520.00	49	999	0.00	PIS-COST	Tax	Tax Inclusive	0	0	0.00	0.00	0.00	0.00	70	
Tax Base Amount	Tax Code	Tax Type	Impact On Net Amount	Tax(%)	Deductible(%)	Tax Amount/Curr	Tax Amount/Base	Non-deductible Tax/Curr	Total Tax Amount	CST Code	Legal Tax Class																																																					
0.00	COPING-COST	Tax	Tax Inclusive	0	0	0.00	0.00	0.00	0.00	70																																																						
10000.00	ICMS-COST	Tax	Tax Inclusive	18	0	0.00	0.00	1800.00	1800.00	90																																																						
10000.00	IPV-COST	Tax	Tax Exclusive	5.2	0	0.00	0.00	520.00	520.00	49	999																																																					
0.00	PIS-COST	Tax	Tax Inclusive	0	0	0.00	0.00	0.00	0.00	70																																																						
OK		Cancel																																																														

Note:

The 100% deductible Tax Codes will be applied irrespective of the selected value in the columns in Acquisition Reason for the Outgoing Scenarios – Tax calculation in Goods for Customer Order, Tax Calculation for Services in Customer Order and Tax Calculation in Shipment Order.

24.6 Delimitations

The Non-Deductible tax handling is only supported in the Purchase Order Part Lines and Purchase Order Tax Lines DLG. The handling of Postings after creating the Manual Supplier Invoice and allocating the cost for the Inventory Part will not be supported in this release.

25 Incoming Nota Fiscal

25.1 Overview Legal Requirement

In Brazil, it's a legal requirement to issue a Nota Fiscal for the business transactions related to sales, procurement, transfer of goods and other non-billable operations. The Nota Fiscal must be authorized by the Brazilian Tax Authority prior to shipment of goods and the printed version of Nota Fiscal (DANFE – Auxiliary Document for e-Nota Fiscal) is used to support the transportation of goods to the recipient's locations.

The Nota Fiscal must be received by the goods recipient before the goods is received into inventory.

All inventory transactions created from procurement must be identified by the Nota Fiscal number and Nota Fiscal item. These references are used when submitting tax reporting to the tax authority at the end of tax period. These references might also be required in Tax Audits. The references are also widely used in the daily operations in Brazilian companies.

25.2 Process Overview

Incoming Nota Fiscal could be received to IFS Cloud in two ways,

- a. Receive Incoming Nota Fiscal Automatically (NF-e) – Using External Supplier Invoice Flow

IFS Cloud core *External Supplier Invoice* flow is used to upload the received Incoming Nota Fiscal XML file (NF-e). Once uploaded by using the IFS Cloud core functionalities, Incoming Nota Fiscal could be created automatically.

b. Enter Incoming Nota Fiscal Manually – Using ***Incoming Nota Fiscal*** Page

User can enter an Incoming Nota Fiscal based on the DANFe document received from the supplier together with the goods using ***Incoming Nota Fiscal*** page.

Once the Incoming Nota Fiscal is created, user can create Manual Supplier Invoice & Approve the Incoming Nota Fiscal.

Finally, user can create the inventory transactions related to the goods receipt and process Manual Supplier Invoice.

Note: User can also create the inventory transactions related to the goods receipt before creating the Manual Supplier Invoice or Incoming Nota Fiscal depending on the requirement.

25.2.1 RECEIVE INCOMING NOTA FISCAL AUTOMATICALLY (NF-E) – USING EXTERNAL SUPPLIER INVOICE FLOW

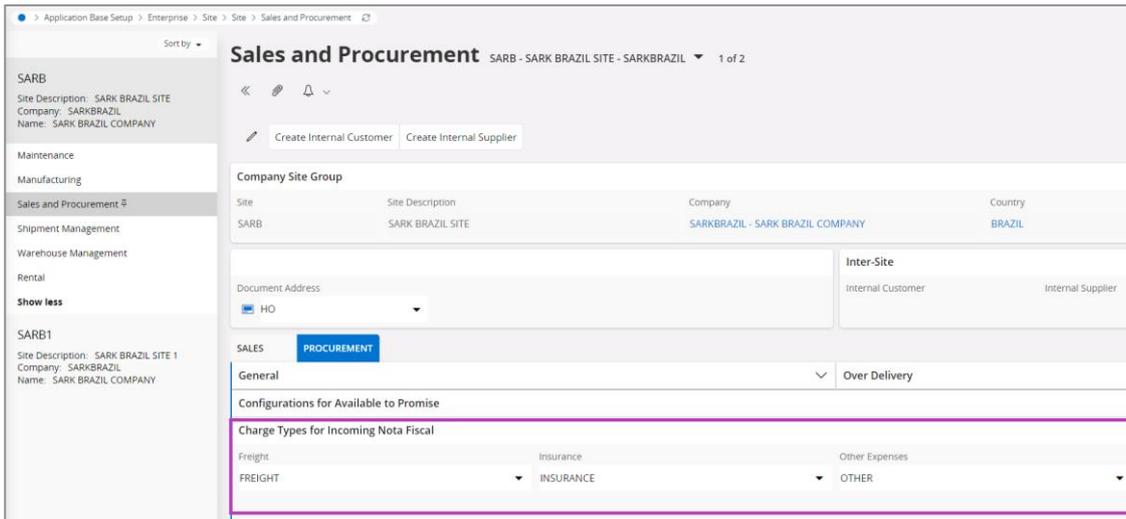


25.2.2 ENTER INCOMING NOTA FISCAL MANUALLY (DANFE) – USING INCOMING NOTA FISCAL PAGE

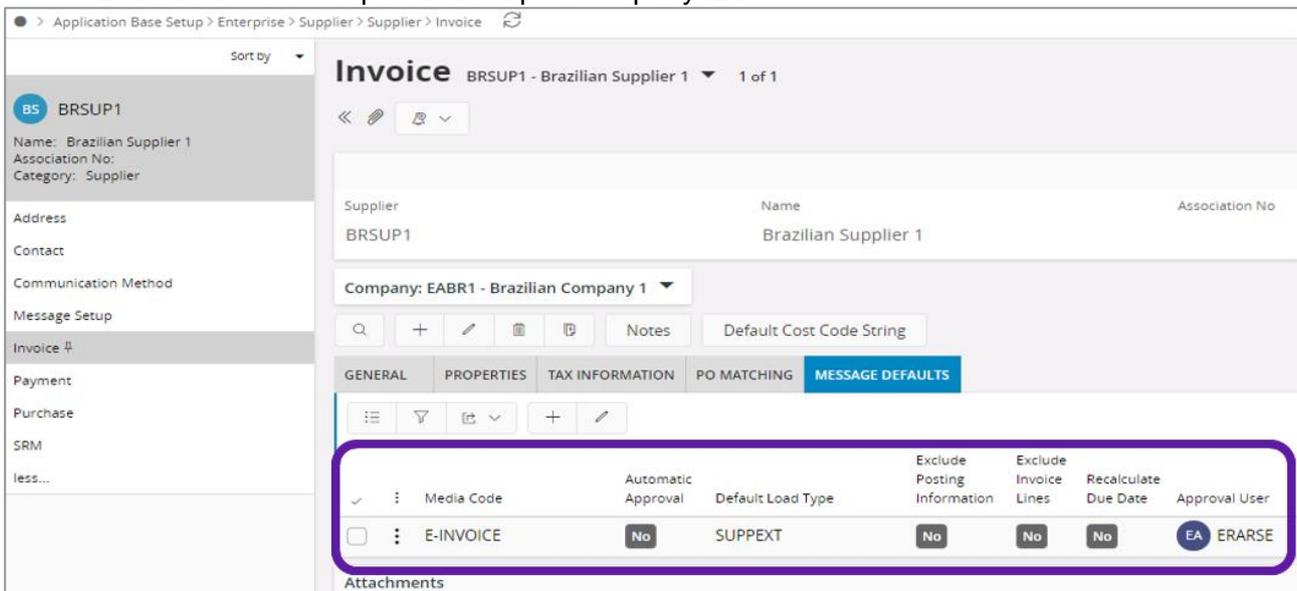


25.3 Prerequisites

- The company must be set-up to use Brazilian localization, see the Company Set-Up chapter and the “Incoming Nota Fiscal” parameter must be enabled.
- The “Address Specific Tax Registration Numbers” parameter must be enabled. Read the chapter “Address Specific Tax Registration Numbers” and setup Supplier and Company CNPJ accordingly.
- Create Purchase Charge types related for Freight, Insurance & Other Expenses using standard functionality and select them in Application Base Setup/Enterprise/Site/Site/Sales and Procurement/Procurement tab.



- Media Code “E-INVOICE” and Default Load Type “SUPPEXT” must be set up on the Supplier in page **Application Base Setup/Enterprise/Supplier/Supplier/Invoice**, tab **Message Defaults**. This set-up is defined per Company ID.



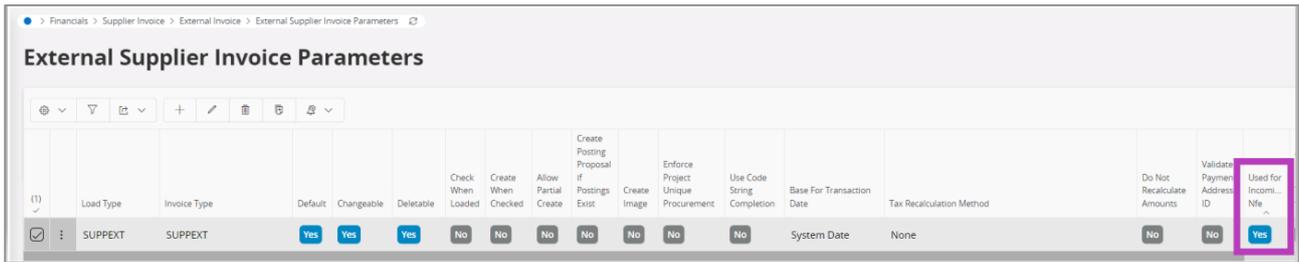
Media Code	Automatic Approval	Default Load Type	Exclude Posting Information	Exclude Invoice Lines	Recalculate Due Date	Approval User
E-INVOICE	No	SUPPEXT	No	No	No	EA ERARSE

- The core functionality *External Supplier Invoice Tax Codes* must be defined and make sure that the correct Tax Type Category relates to each tax code. In this page the Brazilian tax types categories have been added. Enter “*” for both Supply and Delivery Country.

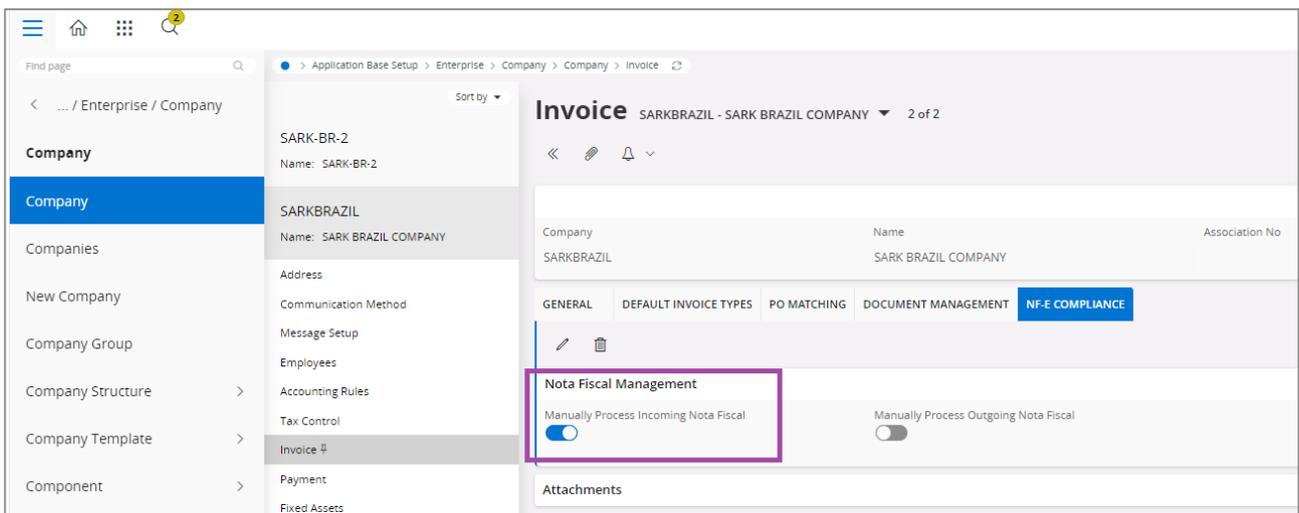


Incoming Tax (%)	Supplier	Supply Country	Delivery Country	Tax Type Category	Tax Code	Tax (%)
15	BRSUP1 - Brazilian Supplier 1	*	*	IPI	IPI15 - IPI 15%	15
17	BRSUP1 - Brazilian Supplier 1	*	*	ICMS	ICMS17 - ICMS 17%	17

- Go to Financials/Supplier Invoice/External Invoice/External Supplier Invoice Parameters & enable "Used for Incoming Nfe"



- Enable/Disable the "Manually Process Incoming Nota Fiscal" toggle in Application Base Setup/Enterprise/Company/Company/Invoice/NF-E COMPLIANCE tab.



25.4 Receive Incoming Nota Fiscal Automatically (NF-e) – Using External Supplier Invoice Flow

IFS Cloud standard External Supplier Invoice flow is used in this scenario to upload the received Incoming Nota Fiscal XML file. Once uploading the NFe XML in External Supplier Invoice flow, Incoming Nota Fiscal could be created automatically.

Please see the details in the process described step by step in below chapters.

25.4.1 CREATE AND HANDLE PURCHASE ORDER

Follow the normal process to enter a purchase order but with the addition to include the Brazil attributes needed as described in this document. Inventory purchase parts are added in the **Procurement/Order/Purchase Order** page. Release and confirm purchase order with the Brazilian specific taxes either manually entered or fetched from Avalara in the PO lines.

25.4.2 RECEIVE INCOMING NF-E XML FILE AND CREATE THE INCOMING NOTA FISCAL

Use IFS Core External Supplier Invoice flow to load the incoming NF-e XML and create the NFe using **Create Nota Fiscal** command.

Note

This activity is used to read an external input file, unpack the file data and call a dedicated interface (API) that will continue with the further processing of data.

Correct Company and the Supplier Identification

When NE-e XML is loaded from the Core External Supplier Invoice interface, the correct Company and the Supplier Identified from the CNPJ numbers.

Company and Supplier CNPJ Nos are defined in the NF-e XML in below tags:

a) Supplier CNPJ No

```
<emit>
  <CNPJ>21816476000175</CNPJ>
```

b) Company CNPJ No

```
<dest>
  <CNPJ>45504618000127</CNPJ>
```

Please note that the CNPJ number of the destination/receiving company is the key when mapping the incoming XML file to a Company ID in IFS. No External Supplier Invoice Load ID can be created without this match.

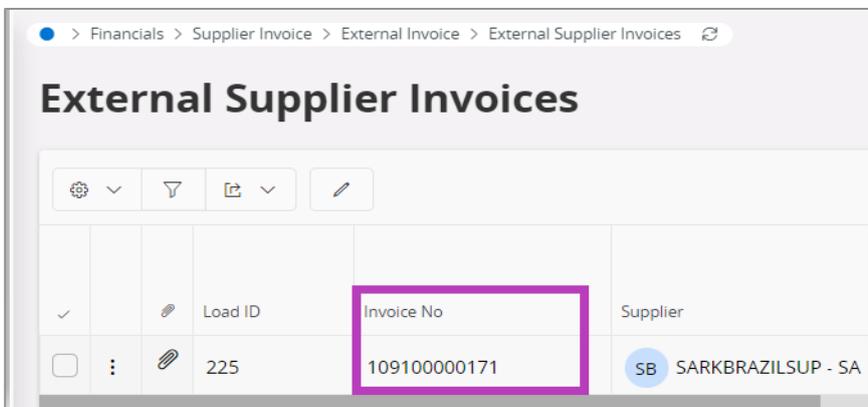
Nota Fiscal No as Supplier Invoice No

Receiving NF-e XML contains the Nota Fiscal No which is loaded in the IFS Application as the Supplier Invoice No.

Below is the tag containing the Nota Fiscal No,

```
<ide>
  <serie>S09</serie>
  <nNF>S00000003</nNF>
```

From the **External Supplier invoice** page below, you can see that the Nota Fiscal “Series” and “No” both concatenated and inserted as the Supplier Invoice No.



Load ID	Invoice No	Supplier
225	109100000171	SB SARKBRAZILSUP - SA

PO Reference on Supplier Invoice

PO No is included in the NF-e XML file in the below tag,
(<xPed>PO No</xPed>)

From the **External Supplier invoice** page below, you can see that the PO No received in relation to the Nota Fiscal is visible.

Financials > Supplier Invoice > External Invoice > External Supplier Invoices

External Supplier Invoices

✓		Load ID	Invoice No	Supplier	Invoice Type	PO Reference
<input type="checkbox"/>		225	109100000171	SB SARKBRAZILSUP - SA	SUPPEXT	P101050

Nota Fiscal Line information as Supplier Invoice Lines

Nota Fiscal Line information are included in the below NF-e XML tags,

```

<det nItem="1">
  <prod>
    <cProd>SARKBRPART1</cProd>
    <cEAN>SEM GTIN</cEAN>
    <xProd>BR-Inventory Part</xProd>
    <NCM>24012020</NCM>
    <CEST>0105700</CEST>
    <EXTIPI/>
    <CFOP>6101</CFOP>
    <uCom>pcs</uCom>
    <qCom>1.0000</qCom>
    <vUnCom>118.32</vUnCom>
    <vProd>118.32</vProd>
    <cEANtrib>SEM GTIN</cEANtrib>
    <uTrib>pcs</uTrib>
    <qTrib>1.0000</qTrib>
    <vUnTrib>118.32</vUnTrib>
    <vFrete>10.00</vFrete>
    <vSeg>5.00</vSeg>
    <vOutro>5.00</vOutro>
    <indTot>1</indTot>
    <xPed>P100753</xPed>
  </prod>

```

Each of the NF-e XML Lines received in relation to the Nota Fiscal are inserted into the **External Supplier invoice Line Information** page as the separate lines. Correspondent line information contains Qty, Price...etc. extracted directly from the NF-E XML.

External Supplier Invoice Line Information 33 - S09S00000003 - SUPPEXT

Load ID	Invoice No	Invoice Type	Supplier	Invoice Load Status
33	S09S00000003	SUPPEXT	D DU:BR:SUP:1 - DU:BR:SUP:1	Created

External Supplier Invoice Lines

✓		Line ID	Income Type Identity	Delivery Type	Tax Code	Tax (%)	Net Amount	Tax Amount	Net Amount in Accounting Currency	Tax Amount in Accounting Currency
<input type="checkbox"/>		1					100.00	21.11		21.11
<input type="checkbox"/>		2					100.00	21.11		21.11

Charge lines can be separated using the Charge Line toggle in line level.

External Supplier Invoice Lines									
✓		Line ID	Income Type Identity	Delivery Type	Tax Code	Tax (%)	Net Amount	Tax Amount	Charge Line
<input type="checkbox"/>	:	1					100.00	59.82	No
<input type="checkbox"/>	:	10001					10.00	0.00	Yes
<input type="checkbox"/>	:	10002					5.00	0.00	Yes
<input type="checkbox"/>	:	10003					5.00	0.00	Yes

Nota Fiscal Tax information as Supplier Invoice Tax Lines

Nota Fiscal tax information is included in the below NF-e XML tags:

```

26 |         </prod>
27 |         <imposto>
28 |             <vTotTrib>21.11</vTotTrib>
29 |             <ICMS>
30 |                 <ICMS00>
31 |                     <pICMS>10</pICMS>
32 |                     <vICMS>11.11</vICMS>
33 |                 </ICMS00>
34 |             </ICMS>
35 |             <IPI>
36 |                 <CENQ/>
37 |                 <IPITrib>
38 |                     <pIPI>10</pIPI>
39 |                     <vIPI>10</vIPI>
40 |                 </IPITrib>
41 |             </IPI>
42 |         </imposto>

```

Each of the NF-e XML Tax Lines received in relation to the Nota Fiscal is inserted into the **External Supplier invoice Tax Information** page as separate tax lines.

Create Incoming Nota Fiscal using External Supplier Invoice

- Go to *Financials/Supplier Invoice/External Invoice/External Supplier Invoice Load Information* and select the command **Create Nota Fiscal**.

Financials > Supplier Invoice > External Invoice > External Supplier Invoice Load Information

External Supplier Invoice Load Information

Invoice Information | Check Invoices | Create Invoices | **Create Nota Fiscal** | Remove Invoices

(1) ✓	Load ID	Load Date	User ID	Load Type	Load Status	Create Nota Fiscal	ID
☑	237	7/26/2022	SR SARKLK	SUPPEXT	Checked		

- View Incoming Nota Fiscal

Financials > Supplier Invoice > External Invoice > External Supplier Invoice Load Information

External Supplier Invoice Load Information

Invoice Information | **View Incoming Nota Fiscal** | Remove Invoices

(1) ✓	Load ID	Load Date	User ID	Load Type	Load Status	View Incoming Nota Fiscal	Load File ID
☑	237	7/26/2022	SR SARKLK	SUPPEXT	Created		

Document Type
Document Type: Nota Fiscal

Sender		Receiver	
Supplier	SARKBRAZILSUP - SARK BRAZIL SUPPLIER	Company	SARKBRAZIL - SARK BRAZIL COMPANY

Nota Fiscal Series	009	Nota Fiscal No	000010304	Invoice Date	8/30/2022	Object Type	Manual Supplier Invoice
Object Reference		Object Reference Status		Payment Terms	10	Currency Code	BRL
Nota Fiscal Text IPI Decreto nº 11.158/22, Artigo 1º, Anexos I, II, III, IV/IS/COFINS Lei nº 10.637/2002, Artigo 2º/IS/COFINS Lei nº 10.833/2003, Artigo 2º							
Business Transaction ID		PO Reference	P100627	Site	SARB		

Amounts					
Gross Amount	179.82	Net Amount	120.00	Tax Amount	59.82

Charge Amounts					
Freight	10.00	Insurance	5.00	Other Expenses	5.00

LINES | ADDRESS | GENERAL

Line ID	Tax Code	Tax Calculation Structure	Part No/Charge Type	Description	Multiple Tax	Gross Curr Amount	Net Amount	Charge Line	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Alt Object Ref2
1		BR-TCS-1 - BR-TCS-1	SARKBRPART1	BR-Inventory Part	Yes	159.82	100.00	No	59.82	59.82	29.91	1
2		BR-TCS-1 - BR-TCS-1	FREIGHT	Freight Charges	No	10.00	10.00	Yes	0.00	0.00	0.00	
3		BR-TCS-1 - BR-TCS-1	INSURANCE	Insurance Charges	No	5.00	5.00	Yes	0.00	0.00	0.00	
4		BR-TCS-1 - BR-TCS-1	OTHER	Other Costs	No	5.00	5.00	Yes	0.00	0.00	0.00	

- Create Manual Supplier Invoice

Financials > Financial e-Reporting > Incoming Nota Fiscal

Sort by

Incoming Nota Fiscal - 109100000177 1 of 1

63
Nota Fiscal Series: 109
Nota Fiscal No: 100000177
Initiated

Cancel Create Manual Supplier Invoice

Sender
Supplier
SARKBRAZILSUP - SARK BRAZIL SUPPLIER

Receiver Group
Company
SARKBRAZIL - SARK BRAZIL CO

Nota Fiscal Series	Nota Fiscal No	Invoice Date
109	100000177	12/8/2020

Note: Manual Supplier Invoice will create automatically when creating the Incoming Nota Fiscal, if user disables the "Manually Process Incoming Nota Fiscal" toggle in Application Base Setup/Enterprise/Company/Company/Invoice/NF-E COMPLIANCE tab

- Approve Nota Fiscal

Financials > Financial e-Reporting > Incoming Nota Fiscal

Sort by

Incoming Nota Fiscal - 109100000177 1 of 1

63
Nota Fiscal Series: 109
Nota Fiscal No: 100000177
Initiated

Approve Cancel Manual Supplier Invoice

Sender
Supplier
SARKBRAZILSUP - SARK BRAZIL SUPPLIER

25.5 Enter Incoming Nota Fiscal Manually (DANFe) – Using Incoming Nota Fiscal and Bill of Lading Page

Create Incoming Nota Fiscal manually using **Financials/Financial e-Reporting/Incoming Nota Fiscal** page. For this purpose, you can use DANFE document received with goods.

Incoming Nota Fiscal -

Save Cancel New

Sender
Supplier

Receiver Group
Company
SARKBRAZIL - SARK BRAZIL COMPANY

Nota Fiscal Series
Nota Fiscal No
Invoice Date
Object Type
Manual Supplier Invoice

Object Reference
Object Reference Status
Business Transaction Id
Payment Terms

Currency Code
BRL

Nota Fiscal Text

PO Reference

Amounts

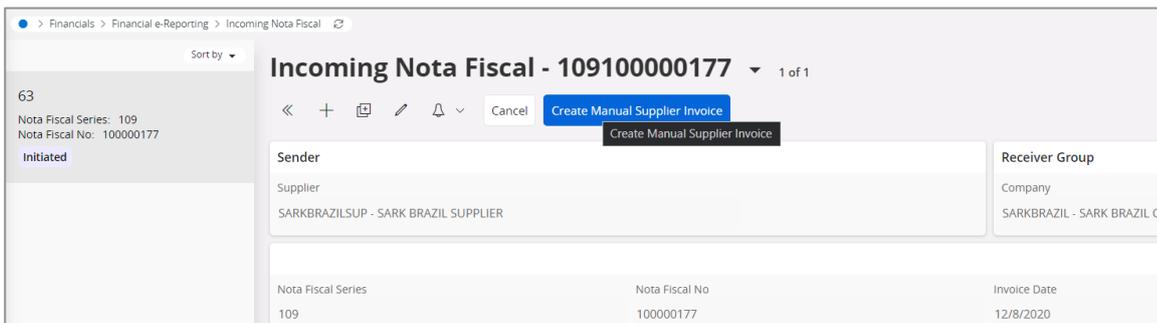
Gross Amount	Net Amount	Tax Amount
	0.00	0.00

LINES ADDRESS GENERAL

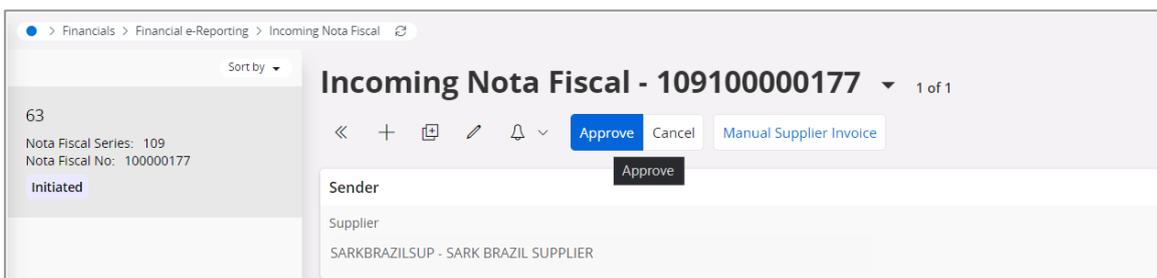
Line ID	Tax Code	Tax Calculation Structure	Multiple Tax	Gross Curr Amount	Net Amount	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	PO Reference	PO Line No	PO Release No
(No data)											

- Ensure the Purchase Order number (or numbers) is referenced in field **PO Reference**.
- Columns **Goods/Services Statistical Codes**, **Business Operation** and **Acquisition Origin** are available also on the line level.

Create Manual Supplier Invoice using the command **Create Manual Supplier Invoice**.



Approve the Nota Fiscal.



25.6 Receive Purchase Order

Receive the Purchase Order by selecting “Receive” in the **Financials/Supplier Invoice/Manual Supplier Invoice/Lines** page (IFS standard). This option will be available for supplier invoice lines with reference to a Purchase Order number, line and release no.

Ensure the Nota Fiscal number is entered as Receipt Reference.

Receive

Received By

EA ERARSE

Receipt Reference

1/300777

Actual Delivery Date

2020-06-08 00:00

Packing Details

Handling Unit Type ID

Print

Print Barcodes Print Arrival Report Print Serviceability Tag

☰
▼
📄

	Source Ref 1	Source Ref 2	Source Ref 3	Site	Part No	Part Description	Qty to Receive	Source UoM	Qty to Inspect	Receive Case
<input type="checkbox"/>	D555051	1	1	BR1	165	Remote con	1	pcs	0	Receive into Arrival

OK
Cancel

The goods arrival can also be registered before the Manual Supplier Invoice is created using IFS standard functions “Register Arrival” and via “Incoming Dispatch Advice”. Enter the Nota Fiscal number as Receipt Reference. Then create the Manual Supplier Invoice and match to the PO receipt.

Receive with Serials/Lots can be handled with the existing core functionality.

Receipt Serials/Lots via Generic Receipt

☰
▼
📄

Search Advanced

Source Ref 1: 91000028 Source Ref 2 Source Ref 3 More Favorites Clear Q Settings

Register Arrivals

Receive Receive with Serials/Lots Source Details Operations

	Part No	Source Ref 1	Source Ref 2	Source Ref 3	Source Ref 4	Source Ref Type	Status	Rental	Qty to Receive	Source UoM	Input UoM Group	Inventory Qty To Receive	Inventory UoM	Catch Qty to Receive
<input checked="" type="checkbox"/>	GI-NGBSERIAL	91000028	2	1		Purchase Order	Released	No	5	PCS	No	5	PCS	

- Add to Favorites
- Receive
- Receive with Serials/Lots
- Source Details

Receipt Serials/Lots via Supplier Invoice

Manual Supplier Invoice SX - 509500000024 1 of 1 Preliminary

[New Manual Supplier Invoice](#)
[More Information](#)
[Pre Posting](#)
[Installation Plan And Discounts](#)
[Post Invoice](#)
[Purchasing](#)
[Copy and Cancel](#)

PO Reference D555077	Receipt Reference SX	Sub Contract Reference S095000000024	Invoice Advice Reference	Project ID	Supplier BS GI-BRSUP - Brazilian Supplier
Invoice Type SUPPEXT	Reference Series SX	Invoice No	Currency BRL	Currency Rate 1	Invoice Date 11/1/2021
Pay Term Base Date 11/1/2021	Payment Terms 0 - Due Immediately	Due Date 11/1/2021	Plan Pay Date 11/1/2021	Payment Reference	Arrival Date 11/1/2021
Authorizer ID *	Notes No	Advance Invoice No	Period Allocation No	Pre-posting No	Voucher Type Reference
Gross Amount 188.24	Net Amount 128.00	Tax Amount 60.24	Received Attachments No	On Hold Installation No	Voucher No Reference
					Posting Proposal No

Line Information

Gross Amount	Net Amount	Tax Amount	Non-deductible Tax Amount	Cost Amount
188.24	128.00	60.24	0.00	128.00

Lines

[Match PO Receipts Per Line](#)
[Price Adjustment Purchase Per Line](#)
[Receive](#)
[Receive With Serials/Lots](#)
[Tax Lines](#)

(1)	PO Reference	Receipt Reference	PO Line No	PO Release No	Quantity	Supplier Part No	Line ID	Delivery Type	Income Type Identity	Tax Code
<input checked="" type="checkbox"/>	D555077		1	1	4		1			

Go to the **Warehouse Management/Transaction History/Inventory Transactions History** page. Ensure the new fields **Nota Fiscal Number** and **Nota Fiscal Item** are enabled for the page. These will present reference to Nota Fiscal number and Nota Fiscal item (line).

Inventory Transactions History

Transaction ID	Transaction Code	Part	Site	Configuration ID	Direction	Quantity	Fiscal Note Number	Fiscal Note Item
215292	ARRIVAL - Receipt of Purchase Order	165 - Remote control, ...	BR1 - Brazilian Site 1	*	+	1 pcc	1/300777	1

25.7 Post Invoice

Follow the IFS standard process to post the invoice.

25.8 Delimitations

Brazilian specific tax needs to be handled manually since 3rd party tax calculation service is not integrated in these flows.

26 Incoming Nota Fiscal With Charges

26.1 Overview Legal Requirement

In Brazil, it's a legal requirement to issue a Nota Fiscal for the business transactions related to sales, procurement, transfer of goods and other non-billable operations. The Nota Fiscal must be authorized by the Brazilian Tax Authority prior to shipment of goods and the printed version of Nota Fiscal (DANFE – Auxiliary Document for e-Nota Fiscal) is used to support the transportation of goods to the recipient's locations.

The Nota Fiscal must be received by the goods recipient before the goods are received into inventory.

All inventory transactions created from procurement must be identified by the Nota Fiscal number and Nota Fiscal item. These references are used when submitting tax reporting to the tax authority at the end of tax period. These references might also be required in Tax Audits. The references are also widely used in the daily operations in Brazilian companies.

26.2 Other Business Objectives

1. Enabling the possibility of fair presentation of procurement related Charges on the Incoming Nota Fiscal Lines.
2. Enabling the recording of multiple line connected charges related to Purchase Order lines.
3. Enabling the direct cross reference between Incoming NF, Receipt Reference, and Supplier Invoice by using the Receipt Reference as the Incoming Nota Fiscal Number

26.3 Process Overview

Incoming Nota Fiscal could be received to IFS Cloud in two ways,

- a. Receive Incoming Nota Fiscal Automatically (NF-e) – Using External Supplier Invoice Flow

IFS Cloud core *External Supplier Invoice* flow is used to upload the received Incoming Nota Fiscal XML file (NF-e). Once uploaded by using the IFS Cloud core functionalities, Incoming Nota Fiscal could be created automatically.
- b. Enter Incoming Nota Fiscal Manually – Using **Incoming Nota Fiscal** Page

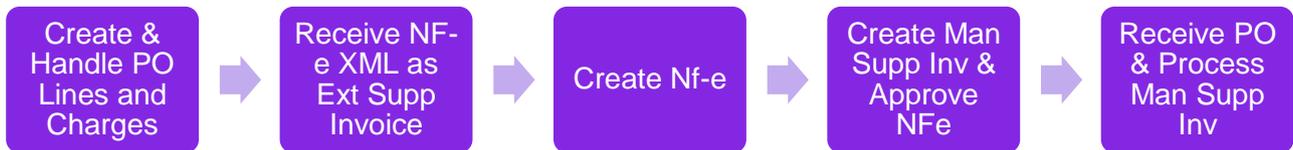
User can enter an Incoming Nota Fiscal based on the DANFe document received from the supplier together with the goods using **Incoming Nota Fiscal** page.

Once the Incoming Nota Fiscal is created, user can create the Manual Supplier Invoice & Approve the Incoming Nota Fiscal.

Finally, the user can create the inventory transactions related to the goods receipt and process Manual Supplier Invoice.

Note: User can also create the inventory transactions related to the goods receipt before creating the Manual Supplier Invoice or Incoming Nota Fiscal depending on the requirement.

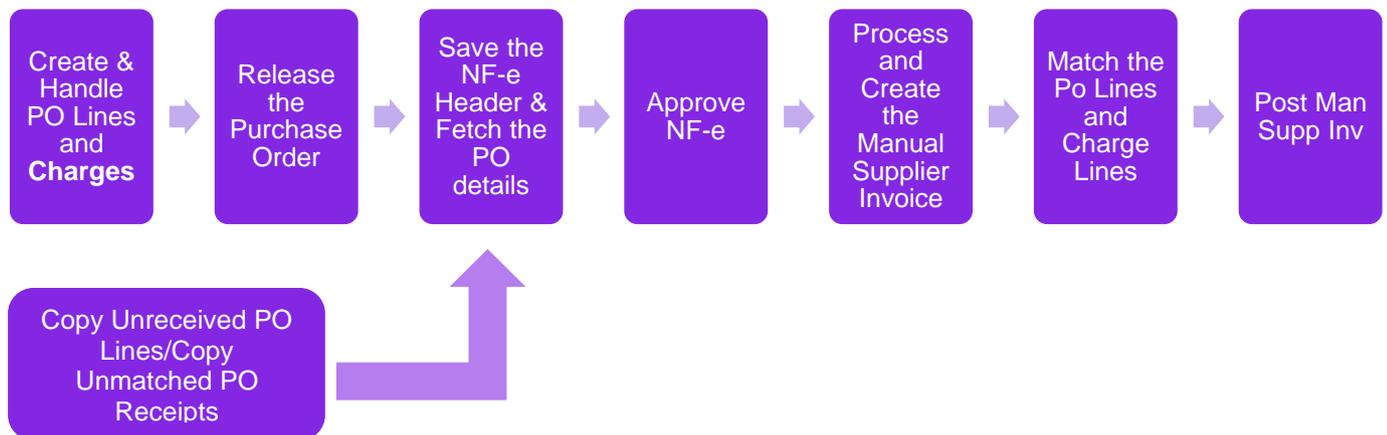
26.3.1 RECEIVE INCOMING NOTA FISCAL AUTOMATICALLY (NF-E) – USING EXTERNAL SUPPLIER INVOICE FLOW



26.3.2 ENTER INCOMING NOTA FISCAL MANUALLY (DANFE) – USING INCOMING NOTA FISCAL PAGE



26.4 Process Overview

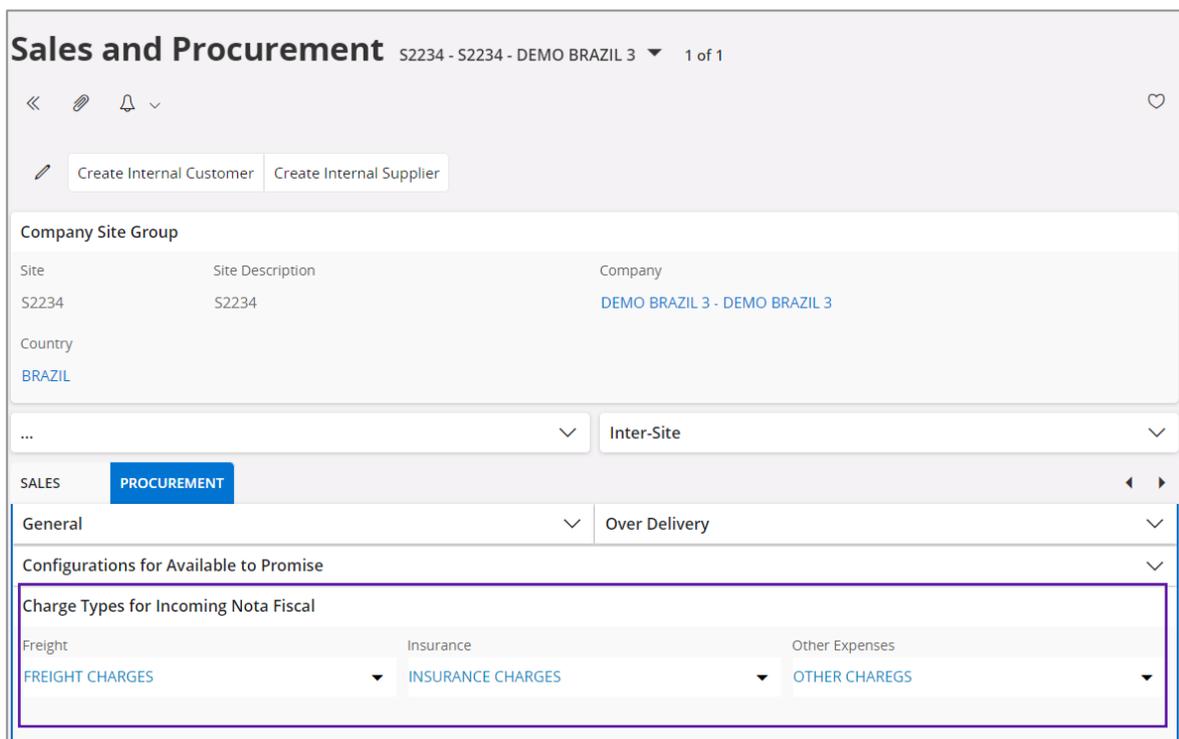


26.5 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set up chapter. And the “Incoming Nota Fiscal” parameter under the **Localization Control Center** tab must be enabled on the *Company/Localization Control Center* tab.

26.6 Define Basic Data

Create Purchase Charge types related for Freight, Insurance & Other Expenses using standard functionality and select them in *Application Base Setup/Enterprise/Site/Site/Sales and Procurement/Procurement* tab.



Sales and Procurement S2234 - S2234 - DEMO BRAZIL 3 1 of 1

Company Site Group

Site	Site Description	Company
S2234	S2234	DEMO BRAZIL 3 - DEMO BRAZIL 3

Country
BRAZIL

Inter-Site

SALES **PROCUREMENT**

General Over Delivery

Configurations for Available to Promise

Charge Types for Incoming Nota Fiscal

Freight	Insurance	Other Expenses
FREIGHT CHARGES	INSURANCE CHARGES	OTHER CHAREGS

26.7 Enter Incoming Nota Fiscal Manually (DANFe) – Using Incoming Nota Fiscal Page / External Supplier Invoice Flow

IFS Cloud standard External Supplier Invoice flow or the manually entering Incoming Nota Fiscal flow could be used in this scenario.

Please refer the steps described above in the Incoming Nota Fiscal Chapter to create and approve the Incoming Nota Fiscal.

26.7.1 CREATE AND HANDLE PURCHASE ORDER

Follow the IFS standard Core process to enter a purchase order for inventory purchase parts in the **Procurement/Order/Purchase Order** page. Release and confirm the Purchase Order with the multiple line connected Charges.

Purchase Order 91000687 - PUGULK SUPP 1 - S2234

Planned

Order No: 91000687 | Supplier: PUGULK SUPP 1 - PUGULK SUPP 1 | Site: S2234 - S2234

Order Code: 1 - NORMAL | Receipt Date: 1/9/24, 12:00 AM | Not Shared

Order Amounts

PART LINES | NO PART LINES | RENTAL PART LINES | ORDER DETAILS | **CHARGES** | LANDED COST | AUTHORIZATION

(1)	Sequence No	Charge Type	Charge Type Description	Charge Price/Base	Charge (%)	Charge Price Incl Tax/Base	Statistical Charge Diff/Base	Charge C
<input checked="" type="checkbox"/>	3	FREIGHT CHARGES	Freight Charges	20.00		20.00	0.00	BRL
<input type="checkbox"/>	1	FREIGHT CHARGES	Freight Charges	10.00		10.00	0.00	BRL
<input type="checkbox"/>	2	INSURANCE CHARGES	Insurance Charges	5.00		5.00	0.00	BRL

Make sure that the multiple purchase order charges are connected to relevant Purchase Order Lines and Release Numbers using the **“Connect to Line No”** and **“Connect to Rel No”** columns available under the “Charges” tab.

Purchase Order 91000687 - PUGULK SUPP 1 - S2234

Planned

Order No: 91000687 | Supplier: PUGULK SUPP 1 - PUGULK SUPP 1 | Site: S2234 - S2234

Order Code: 1 - NORMAL | Receipt Date: 1/9/24, 12:00 AM | Not Shared

Order Amounts

PART LINES | NO PART LINES | RENTAL PART LINES | ORDER DETAILS | **CHARGES** | LANDED COST | AUTHORIZATION

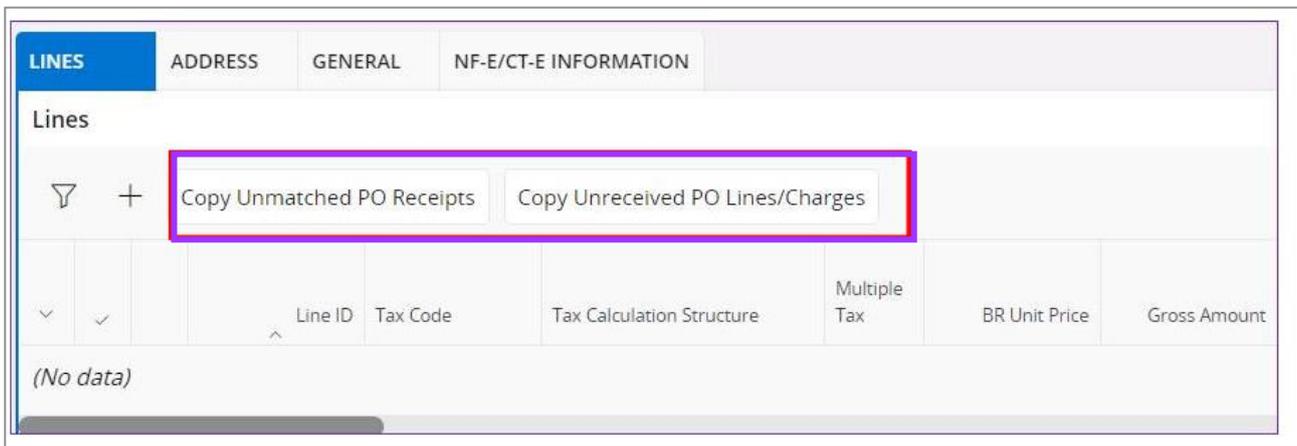
✓	Distribute Charge By	Connect to Line No	Connect to Rel No	Invoicing Supplier	Charged Qty	Price UoM	Invoiced C
<input type="checkbox"/>		2	1	PU PUGULK SUPP 1 - PU	1	*	
<input type="checkbox"/>		1	1	PU PUGULK SUPP 1 - PU	1	*	
<input type="checkbox"/>		1	1	PU PUGULK SUPP 1 - PU	1	*	

26.7.2 RECEIVE INCOMING GOODS AND CREATE THE INCOMING NOTA FISCAL (MANUALLY OR AUTOMATICALLY)

Use IFS Core External Supplier Invoice flow to load the incoming NF-e XML and create the NFe using “Create Nota Fiscal” command or create an Incoming Nota Fiscal manually using the DANFe document received.

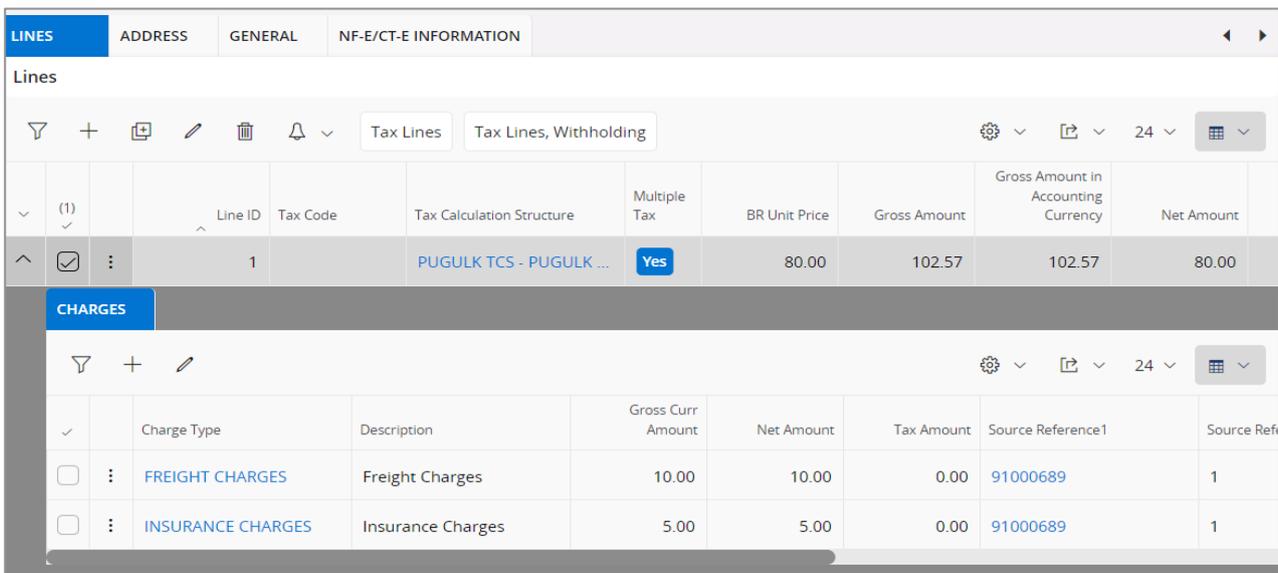
26.7.3 FETCH THE PO DETAILS USING THE TWO OPTIONS AVAILABLE IN THE INCOMING NOTA FISCAL LINES

- ❖ **Copy Unmatched PO Receipts** option can be used when the user needs to register the prior receipts of the goods before creating the Incoming Nota Fiscal.
- ❖ **Copy Unreceived PO Lines/ Charges** option will be used when the user needs to record the receipts of the goods after creating and approving the Incoming Nota Fiscal.



26.7.4 INCOMING NOTA FISCAL LINES WILL BE CREATED WITH LINE CONNECTED CHARGES REFLECTED IN A NESTED TABLE AS FOLLOWS.

Purchase part line connected charges for a local (Brazilian) Supplier – **Incoming Nota Fiscal**

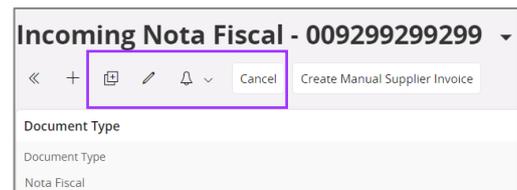
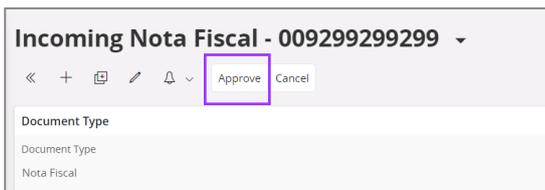


Purchase part line connected charges for a Foreign Supplier – **Import Nota Fiscal**

Charge Type	Description	Gross Amount	Net Amount	Tax Amount	Gross Amount in Accounting Currency
<input type="checkbox"/> : AFRMM	AFRMM	20.00	20.00	0.00	80.00
<input type="checkbox"/> : DEMURRAGE	Demurrage	5.00	5.00	0.00	20.00
<input type="checkbox"/> : WHARFAGE	Wharfage	10.00	10.00	0.00	40.00
<input type="checkbox"/> : SISCOMEX	SISCOMEX	5.00	5.00	0.00	20.00
<input type="checkbox"/> : INTERNATIONAL FREIGHT	International Freight	10.00	10.00	0.00	40.00

26.7.5 APPROVE THE INCOMING NOTA FISCAL & CREATE THE MANUAL SUPPLIER INVOICE

Approve the Incoming Nota Fiscal and Create the Manual Supplier Invoice.



26.7.6 MATCH THE PO LINES AND CHARGE LINES SEPARATELY AND POST THE MANUAL SUPPLIER INVOICE

User can separately match both purchase order lines and purchase charge lines and post the relevant Supplier Invoice with multiple charges.

26.8 Delimitations

External tax engine “AVALARA” is used to calculate the taxes for the procurement flows. For Procurement it covers the tax determination via integration to Brazilian external tax system (Avalara). Also line connected charges are supported. In the procurement flow Gross price is used when tax calculation is done via AVALARA.

The tax amount relevant to purchase part is proportionately calculated and shown in the Part Lines, and this results in generating incorrect postings (Missing Tax Amounts) in the Manual Supplier Invoice level. User needs to manually match the gross amount in the invoice lines and create manual postings for the missing tax amount.

Please consider the following example.

Purchase Order 91001425 - PUGULK SUPP 1 - S2234 Released

Order No: 91001425
Supplier: PUGULK SUPP 1 - PUGULK SUPP 1
Site: S2234 - S2234

Order Code: 1 - NORMAL
Receipt Date: 2/27/24, 12:00 AM
Not Shared

Order Amounts

Total Net Amount/Base	Total Net Amount/Curr	Total Tax Amount/Curr
165.60 BRL	165.60 BRL	32.40 BRL
Total Gross Amount/Curr	Charges Exist	
180.00 BRL		

- Tax amounts have been distributed proportionately for part lines.

PART LINES											
NO PART LINES RENTAL PART LINES ORDER DETAILS CHARGES LANDED COST AUTHORIZATION											
Filter + + + + + Status Line Details Create Lines from Template 24											
(1)	Price Freeze	Net Amount/Base	Tax Amount/Base	Gross Amount/Base	Net Amount/Curr	Tax Amount/Curr	Gross Amount/Curr	Tax Liability	Taxable	Tax Ca	
✓	No	65.60	14.40	80.00	65.60	14.40	80.00	TAX	Yes		

- Tax amount is missing (32.4-14.4) in the Manual Supplier Invoice line level.

Manual Supplier Invoice SI - 00901000003453 1 of 1 Preliminary

New Manual Supplier Invoice
More Information
Pre Posting
Installation Plan And Discounts
Post Invoice

PO Reference: 91001425
Receipt Reference:
Sub Contract Reference:
Invoice Advice Reference:
Project ID:

Supplier: PUGULK SUPP 1 - PUGULK SUPP 1
Invoice Type: SUPPINV
Series ID: SI
Invoice No: 00901000003453

Currency: BRL
Currency Rate: 1
Invoice Date: 2/27/2024
Arrival Date: 2/27/2024
Pay Term Base Date: 2/27/2024

Payment Terms: 0 - Due Immediately
Due Date: 2/27/2024
Plan Pay Date: 2/27/2024
Payment Reference:
Voucher Type Reference:

Voucher No Reference:
Authorizer ID: *
Notes: No
Advance Invoice: No
Period Allocation: No
Pre-posting: No

Received Attachments: No
On Hold Installment: No
Posting Proposal: No
Utility Bills: No
Gross Amount: 180.00
Net Amount: 165.60

Tax Amount: 14.40

Line Information

Gross Amount	Net Amount	Tax Amount	Non-deductible Tax Amo...	Cost Amount
180.00	165.60	14.40	0.00	165.60

Refer the below workaround for the missing tax amount in the Manual Supplier Invoice and Posting lines.

- When creating the Incoming Nota Fiscal,
 - Tax amount is taken from the tax dialog, instead of the PO line
 - Net amount will now have the net amount of part line + net amounts of all charge lines connected to part line

Incoming Nota Fiscal - 009000056575 Initiated

Document Type
Document Type
Nota Fiscal

Sender **Receiver**

...

Amounts		
Gross Amount	Net Amount	Tax Amount
130.00	106.60	23.40

Charge Amounts		
Freight	Insurance	Other Expenses
50.00	0.00	0.00

- When creating the Manual Supplier Invoice from Incoming Nota Fiscal,
 - Only part line will be created.
 - Part line will have amounts from part line and connected charge lines

LINES ADDRESS GENERAL NF-E/CT-E INFORMATION

Lines

24

(1)	Line ID	Tax Code	Tax Calculation Structure	Multiple Tax	BR Unit Price	Gross Amount	Gross Amount in Accounting Currency	Net Amount
<input checked="" type="checkbox"/>	1			Yes	65.60	130.00	130.00	106.60

CHARGES

24

Charge Type	Description	Gross Amount	Net Amount	Tax Amount	Gross Amount in Accounting Currency
<input type="checkbox"/> FREIGHT CHARGES	Freight Charges	50.00	50.00	0.00	50.00

Manual Supplier Invoice

SI - 00901000056575 1 of 1 Preliminary

[New Manual Supplier Invoice](#)
[More Information](#)
[Pre Posting](#)
[Installment Plan And Discounts](#)
[Post Invoice](#)

Line Information

Gross Amount	Net Amount	Tax Amount	Non-deductible Tax Amo...	Cost Amount
130.00	106.60	23.40	0.00	106.60

Lines

Multiple Tax Lines	Tax (%)	Tax Method Tax Received	Gross Amount	Net Amount	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Non-deductible Tax Amount	Cc
<input checked="" type="checkbox"/>			130.00	106.60	23.40	23.40	70.20	0.00	

- When matching receipts,
 - User needs to manually adjust **Invoiced Gross Amt/Inv Curr** to correct value.

Post from Purchase Order

Supplier	Invoice No	Currency	Net Amount
PS PUGULK SUPP 1 - PUGULK SUPP 1	00901000056575	BRL	106.60

Non-deductible Tax Amount	Matched Amount	Remaining Non Deductible Tax Amount	Remaining Amount
0.00	0.00	0.00	106.60

Update Purchase Prices for Matched Parts/External ...

Matching Lines

Match	Match Source	Receipt Qty	Invoiced Price/Inv Curr	Invoiced Price incl Tax/Inv Curr	Invoiced Net Amt/Invoice Curr	Invoiced Gross Amt/Inv Curr	Tax Amt/Curr	Charge Type	Net Inv Price/Curr	PO Price/Inv Cu
<input checked="" type="checkbox"/>	Receipt	1	65.60	80.00	65.60	80.00	14.40		65.60	65.60

Post from Purchase Order

Supplier	Invoice No	Currency	Net Amount
PS PUGULK SUPP 1 - PUGULK SUPP 1	00901000056575	BRL	106.60

Non-deductible Tax Amount	Matched Amount	Remaining Non Deductible Tax Amount	Remaining Amount
0.00	106.60	0.00	0.00

Update Purchase Prices for Matched Parts/External ...

Matching Lines

Match	Match Source	Receipt Qty	Invoiced Price/Inv Curr	Invoiced Price incl Tax/Inv Curr	Invoiced Net Amt/Invoice Curr	Invoiced Gross Amt/Inv Curr	Tax Amt/Curr	Charge Type	Net Inv Price/Curr	PO Price/Inv Cu
<input checked="" type="checkbox"/>	Receipt	1	106.60	130.00	106.60	130.00	14.40		106.60	65.60

Following postings will be created based on the adjusted Gross amount.

Supplier Invoice Vouchers												
I 2024000041												
Voucher Type	Voucher No	Date	Year	Period								
I	2024000041	2/28/2024	2024	2								
Voucher Postings												
✓	Account	Cost Cent	Proj Activity Seq No	Transaction Code	Process Code	Invoice Quant...	Curre... Code	Currency Rate	Convers... Factor	Debit Amount in Transaction Currency	Credit Amount in Transaction Currency	Amount in Transaction Currency
<input type="checkbox"/>	2455 - Delivered, not invoiced			M18		1	BRL	1	1	106.60		106.60
<input type="checkbox"/>	4992 - Negative price difference purchasing			M19		0	BRL	1	1	26.60		26.60
<input type="checkbox"/>	2455 - Delivered, not invoiced			M18		1	BRL	1	1		26.60	-26.60
<input type="checkbox"/>	2440 - Accounts payable - trade			IP1			BRL	1	1		130.00	-130.00
<input type="checkbox"/>	2641 - Charged input VAT			IP3			BRL	1	1	0.00		0.00
<input type="checkbox"/>	2641 - Charged input VAT			IP3			BRL	1	1	23.40		23.40
<input type="checkbox"/>	2641 - Charged input VAT			IP3			BRL	1	1	0.00		0.00

27 Incoming Nota Fiscal – Customer Returns for Credit

27.1 Overview Legal Requirement

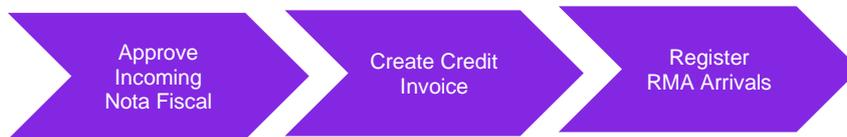
Brazilian government requires that companies issue an accompanying Nota Fiscal whenever the goods are moved between different taxpayer units. When the customer return purchased goods to the company, an outgoing Nota Fiscal must be issued by the customer to accompany the returned goods and this Nota Fiscal must be received as incoming Nota Fiscal by the company.

When receiving an Incoming Nota Fiscal from Customer Returns transaction, following rules must be adhered:

- In Brazil, you can only process a return once the preceding outgoing nota fiscal has been authorized in Tax Authority system.
- The customer return *nota fiscal* must be based on the company's original *nota fiscal*. If merchandise is fully returned, the Incoming *nota fiscal* amounts must be identical to the company's original *nota fiscal*.
- If merchandise is partially returned, the incoming *nota fiscal* amounts must be proportional to the company's original *nota fiscal*.
- The tax rates and costs must be returned in the same amounts as those amounts that were used in the company's original *nota fiscal*.
- The customer return *nota fiscal* issued by the customer is always related to one outgoing Nota Fiscal previously issued by the Company, according to Brazilian guideline for NF-e.

27.2 Process Overview





27.3 Prerequisites

The company must be set-up to use Brazilian localization, see chapter Company Set up, and the parameter “*Incoming Nota Fiscal*” must be enabled.

27.4 Prepare RMA for items to return from Customer

Use IFS Cloud generic functionality to create Return Material Authorization for the Customer Orders on which goods to be returned were delivered with Outgoing Nota Fiscal issued.

Make sure the items and quantities in Return Material Authorization lines match the lines and quantities informed by customer in the incoming customer return Nota Fiscal to be received.

The Tax Lines in Return Material Authorization are copied from Customer Order Tax Lines. In case of partial returns, the taxes amounts will be prorated according to the quantity selected for return.

Once the Return Material Authorization is created, release it and approve it for credit.

27.5 Receive Incoming Nota Fiscal

27.5.1 CREATE INCOMING CUSTOMER RETURN NOTA FISCAL MANUALLY

Create the incoming Nota Fiscal manually using ***Financials/Financial e-Reporting/Incoming Nota Fiscal*** page. For this purpose, you can use DANFe document received.

Select the “Document Type” as Customer Return Nota Fiscal.

Incoming Nota Fiscal and Bill of Lading -

Q Search (13) Advanced

Status Document Id Document Series Document Type: Customer Return Nota... More Favorites Search Clear

» 1 of 13

Save Cancel New

Document Type *

- Goods Nota Fiscal
- Goods Nota Fiscal
- Bill of Lading
- Customer Return Nota Fiscal
- Import Nota Fiscal
- Services Nota Fiscal
- Symbolic Nota Fiscal

Document Series *

Object Reference

Object Reference Status

Document Text

Business Transaction ID

Payment Terms

Currency Code

Receiver

Company

STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY

PO Reference

Entry Date *

13/01/2025

Fiscal Document Model

Document No

Currency Rate *

1

Enter the Nota Fiscal number in the field **Document No**, Nota Fiscal Series in the field **Document Series** and then fill all the relevant data from DANFe.

Incoming Nota Fiscal and Bill of Lading - 001202412314

Q Search (12) Advanced

Status Document Id Document Series Document Type More Favorites Search

» 1 of 12

+ Cancel Create Customer Credit Invoice

Document Type

Customer Return Nota Fiscal

Sender

Customer

BR DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALO...

Receiver

Company

STDBRAZIL - STDBRAZIL - PLEASE DON'T C

Site	RMA No	Entry Date
SP01	200117	31/12/2024
Document Series	Fiscal Document Model	Document No
001	55	202412314
Object Reference	Object Reference Status	Currency Rate
		1
Document Text		
Business Transaction ID	Payment Terms	Currency Code
	20 - 20 Days Net	BRL

27.5.2 COPY RMA AND OUTGOING NOTA FISCAL SOURCE ITEMS

Once the Nota Fiscal header is saved, enter the Return Material Authorization previously created and approved for credit in the field **Source Reference1**:

Document Text		
Business Transaction ID 501	Source Reference 1 	Site SP01
Amounts	<input type="text" value="200797 (RMA No)"/> <input type="text" value="Released (Status)"/>	Tax Amount 112,37
Gross Amount 412,37	200145 Released	Other Expenses 0,00
Charge Amounts	200146 Released	
Freight 0,00		

In the Nota Fiscal Source List, enter the Nota Fiscal ID issued from Customer Order, on which goods returned were originally delivered and save the record:

Nota Fiscal Source List	
<input type="checkbox"/>	98 Approved

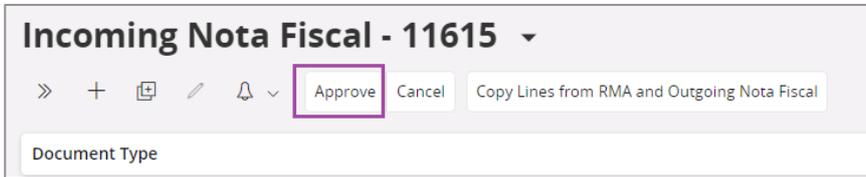
Select command button **Copy Lines from RMA and Outgoing Nota Fiscal** in the page header. The items of Source Nota Fiscal informed, for which RMA lines are created and approved for credit, are fetched into Incoming Nota Fiscal:

Incoming Nota Fiscal and Bill of Lading - 10123		
<input type="text" value="Search (3)"/> <input type="button" value="Advanced"/>		
Document Id	Document Series	Document Type: Customer Return Nota...
Status: Initiated	More	Favorites
<input type="button" value="Search"/> <input type="button" value="Clear"/>		
<input type="button" value="Copy Lines from RMA and Outgoing Nota Fiscal"/>		
Sender Customer BR DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALO...		
Receiver Company STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY		
Site *	RMA No	Entry Date *
MG01		11/12/2024
Document Series *	Fiscal Document Model	Document No
10	29	123
Object Reference	Object Reference Status	Currency Rate
		1
Document Text		
Business Transaction ID	Payment Terms	Currency Code
	20 - 20 Days Net	BRL

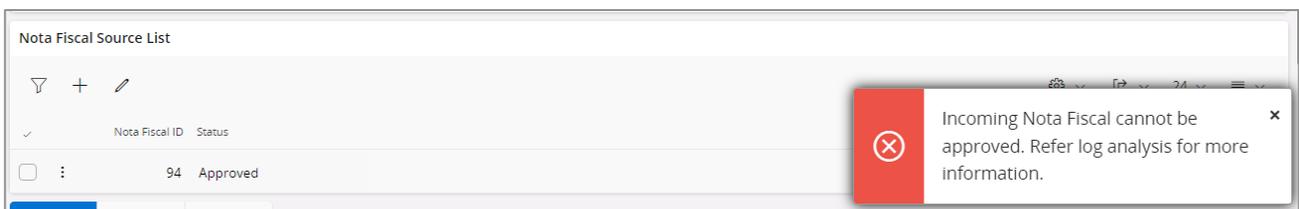
The Tax lines in the Incoming Nota Fiscal are copied from Return Material Authorization Tax Lines.

27.5.3 APPROVE INCOMING NOTA FISCAL

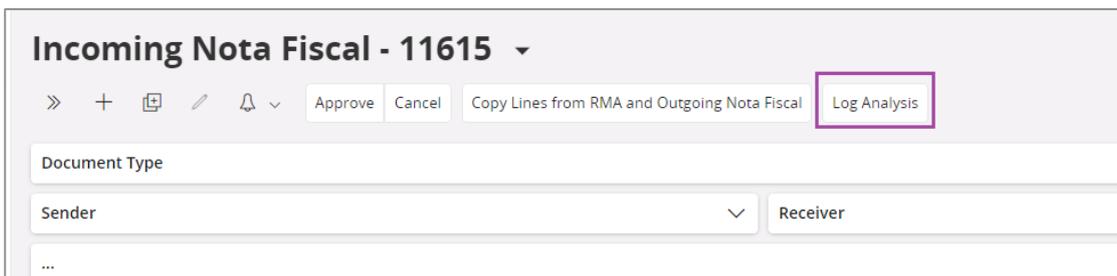
Select command button **Approve** in the page header:



The application performs the reconciliation checks. If some error is found during approval process, the error message popup, informing that Log Analysis can be verified for further details:



Select command button **Log Analysis** in the page header:



The application opens the right-side panel, listing the errors and warnings recorded:

Log Analysis

Log ID	User ID	Log Type	Log Text
1	ROALBR	Warning	CST is not informed in Nota Fiscal item 1.
2	ROALBR	Warning	The Business Operation is not informed in Nota Fiscal item 1.
3	ROALBR	Error	The quantity in RMA Line 1 exceeds the quantity in source Nota
4	ROALBR	Warning	The BR-ICMS/ST tax calculated in Tax Lines for Nota Fiscal item
5	ROALBR	Warning	The BR-ICMS/ST Tax Base Amount in Nota Fiscal item 1 does no
6	ROALBR	Warning	The BR-ICMS Tax Base Amount in Nota Fiscal item 1 does not m
7	ROALBR	Warning	The BR-COFINS Tax Base Amount in Nota Fiscal item 1 does not
8	ROALBR	Warning	The BR-PIS Tax Base Amount in Nota Fiscal item 1 does not mat

There two Log Types can be listed in this panel:

- Warning: Only informative, do not prevent Incoming Nota Fiscal of being approved.
- Error: Prevents Incoming Nota Fiscal of being approved.

Once the Log Analysis is verified, the errors listed can be adjusted and command button **Approve** can be selected over again. When reconciliation checks find no more errors, the status in the Incoming Nota Fiscal changes from Initiated to Approved.

27.6 Create Customer Credit Invoice from Incoming Nota Fiscal

Once the incoming customer return Nota Fiscal is in Approved status, select the command button **Create Customer Credit Invoice** in the page header:

Incoming Nota Fiscal and Bill of Lading - 001202412312

Q Search (9)

3 of 9

Approved

+
📄
✍
🔔
Cancel
Create Customer Credit Invoice
🔖

Document Type
Customer Return Nota Fiscal

Sender		Receiver	
Customer		Company	
BR DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL		STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY	

Site	RMA No	Entry Date	Issue Date
SP01	200115	31/12/2024	31/12/2024
Document Series	Fiscal Document Model	Document No	Object Type
001	55	202412312	Customer Credit Invoice
Object Reference	Object Reference Status	Currency Rate	
		1	

After Customer Credit Invoice is created, the Object Reference is recorded for Incoming Nota Fiscal:

Incoming Nota Fiscal and Bill of Lading - 001202412311

Q Search (9)

4 of 9

Approved

+
📄
✍
🔔
Cancel
Customer Credit Invoice
🔖

Document Type
Customer Return Nota Fiscal

Sender		Receiver	
Customer		Company	
BR DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL		STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY	

Site	RMA No	Entry Date	Issue Date
SP01	200114	31/12/2024	31/12/2024
Document Series	Fiscal Document Model	Document No	Object Type
001	55	202412311	Customer Credit Invoice
Object Reference	Object Reference Status	Currency Rate	
204832	Preliminary	1	
Document Text			
Business Transaction ID	Payment Terms	Currency Code	
	20 - 20 Days Net	BRL	

The credit invoice can be reached from command button **Customer Credit Invoice** in the page header:

Incoming Nota Fiscal and Bill of Lading - 001202412311

Q Search (9)

4 of 9 Approved

+ 📄 ✎ 🔔 Cancel Customer Credit Invoice 🔖

Document Type
Customer Return Nota Fiscal

Sender Customer BR DOMESTIC CUST - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL	Receiver Company STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY
------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------

Customer Invoice

RCA CUST - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL - 204964 - CUSTORDCRE - P11210 1 of 1 Preliminary

🔗 ✎ 🔔 Share Credit/Correction Invoice Posting Installment Plan and Discounts Notes

Customer No RCA CUST	Customer Address Name NF-E EMITIDA EM AMBIENTE D...	Series ID PR	Invoice No 204964	Official Document No	Company BNFX - BLUE NOTE GUITAR EFF...	Site SP01
Invoice Created 19/01/2024	Order Created 19/01/2024					

Amounts

LINES GENERAL NF-E INFORMATION HISTORY

Invoice Type CUSTORDCRE - Customer Order Invoice, Credit Invoice Date 19/01/2024 Our Reference Alain Prost Branch SP01	Invoice Address SP01 Printed Date [📄] Customer Reference [📄] Customer Branch [📄]	Series ID PR Customer Reference Name [📄] Invoice No 204964 Customer Reference [📄] Customer Branch [📄]	Indicators Price Adjustment No Advance/Prepayment Invoice No Use Price Incl Tax No Notes No Correction Exist No Correction Invoice No Correction Reason ID [📄] Correction Reason [📄]
Payment [📄]	Delivery [📄]	References Order No P11210 Shipment ID [📄] RMA No 200035	Invoice Text Invoice Text ID [📄] Invoice Text [📄]

Select command group Share and then click the Print Invoice option to post and authorize the Customer Credit Invoice:

Customer Invoice

RCA CUST - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR FISCAL - 979900002 - CUSTORDCRE - P11210 1 of 1 Posted Auth

🔗 ✎ 🔔 Share Posting Installment Plan and Discounts Notes

Customer No RCA CUST	Customer Address Name NF-E EMITIDA EM AMBIENTE D...	Series ID CR	Invoice No 979900002	Official Document No	Company BNFX - BLUE NOTE GUITAR EFF...	Site SP01
Invoice Created 19/01/2024	Order Created 19/01/2024					

Amounts

27.7 Return Material Authorization Arrivals

The RMA arrivals are registered using IFS Cloud generic functionality.

Go to **Procurement/Receipt/Register Arrivals**, find the RMA lines and select command button **Receive** in the page header:

Register Arrivals

Receive | Receive Parts against Order Deliveries | Source Details

(2)	Source Ref 1	Source Ref 2	Source Ref 3	Source Ref 4	Source Ref Type	Status	Rental	Qty to Receive	Source UoM
<input checked="" type="checkbox"/>	200656	1			Return Material Authorization	Released	No	1	pcs
<input checked="" type="checkbox"/>	200656	2			Return Material Authorization	Released	No	1	pcs

In the Receive panel, enter the Nota Fiscal reference in the field **Receipt Reference** as [Nota Fiscal Series]/[Nota Fiscal No], inform the Location and click the Ok button:

Receive

Received By: ROALBR

Receipt Reference: 1/1615

Actual Delivery Date: 13/01/2023 00:00

Actual Arrival Date: 13/01/2023 20:55

Print

Split Receipt

(1)	Site	Source Ref 1	Source Ref 2	Source Ref 3	Source Ref 4	Location No	Part No	Part Desc
<input type="checkbox"/>	SP01	200656	1			202058	F060200	Smokin
<input checked="" type="checkbox"/>	SP01	200656	2			202058	F060200	Smokin

OK Cancel

The inventory transactions OERETURN created from RMA arrivals are identified with Nota Fiscal Number and Item Number:

Inventory Transactions History

Transaction ID	Transaction Code	Part	Site	Configuration ID	Fiscal Note Number	Fiscal Note Item	Direction	Quantity
520949	OERETURN - Receipt of Re	F060200 - Smoking Blu...	SP01 - CROSSROADS	*	1615	1	+	1 pcs
520948	OERETURN - Receipt of Re	F060200 - Smoking Blu...	SP01 - CROSSROADS	*	1615	2	+	1 pcs

The Return Material Authorization status changes to Return "Completed".

28 Incoming Nota Fiscal – Bill of Lading

28.1 Overview Legal Requirement

Bill of Lading is a legal document connected to product transportation in Brazil. It's emitted by a carrier to the customer, declaring the amount of the transportation service (freight value) and its taxes (ICMS, PIS, COFINS and IRPJ).

The customer might pay for a Bill of Lading for the transportation when receiving deliveries or at products receipts. For receipts, the Bill of Lading refers to one or more receipt fiscal notes. Bill of Lading Document can be in two forms.

CT-e (Conhecimento de Transporte Eletrônico) – CT-e is the electronic invoice for transport within Brazil. CT-e is an XML document that contains the cargo value including taxes.

DACTE (Documento Auxiliar do Conhecimento de Transporte Eletrônico) - DACTE (CT-e auxiliary document) is the printed form of the CT-e. The DACTE is not a CT-e substitute. It is only an auxiliary document to assist in the consultation of CT-e. The DACTE is carried with the vehicle during transport.

28.2 Process Overview

Bill of Lading could be received to IFS Cloud in two ways,

- a. Receive Bill of Lading Automatically (CT-e) – Using External Supplier Invoice Flow

IFS Cloud core *External Supplier Invoice* flow is used to upload the received Bill of Lading XML file (CT-e). Once uploaded by using the IFS Cloud core functionalities, Bill of Lading could be created automatically.

- b. Enter Bill of Lading Manually – Using **Incoming Nota Fiscal** Page

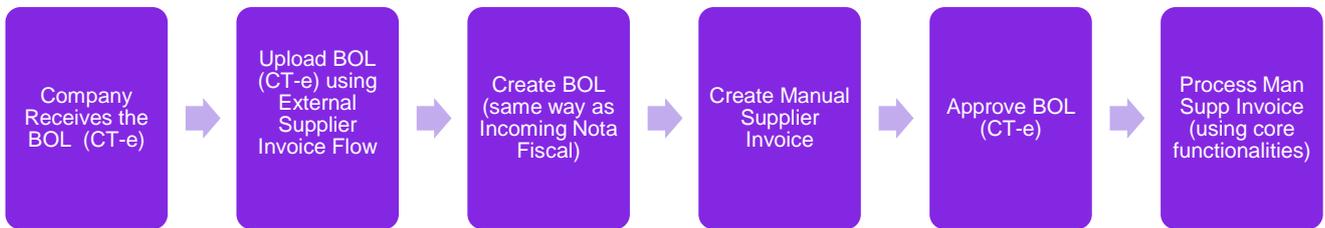
User can enter a Bill of Lading based on the DACTe document received from the carrier (transport supplier) using **Incoming Nota Fiscal** page.

Once the Bill of Lading is created, user can create Manual Supplier Invoice & Approve the Bill of Lading.

Finally, user can match the charge lines and process Manual Supplier Invoice.

Note: User need to process the receipt transaction along with the distribution of the Bill of Lading charges at any point before doing the matching PO receipts transaction, using standard IFS functionalities.

28.2.1 RECEIVE BILL OF LADING AUTOMATICALLY (CT-E) – USING EXTERNAL SUPPLIER INVOICE FLOW



Note: User need to process the receipt transaction along with the distribution of the Bill of Lading charges at any point before doing the matching PO receipts transaction, using standard IFS functionalities.

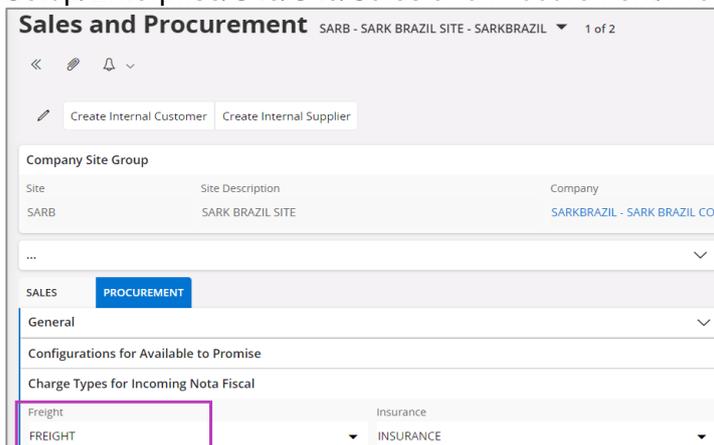
28.2.2 ENTER BILL OF LADING MANUALLY (DACTE) – USING INCOMING NOTA FISCAL PAGE



Note: User need to process the receipt transaction along with the distribution of the Bill of Lading charges at any point before doing the matching PO receipts transaction, using standard IFS functionalities.

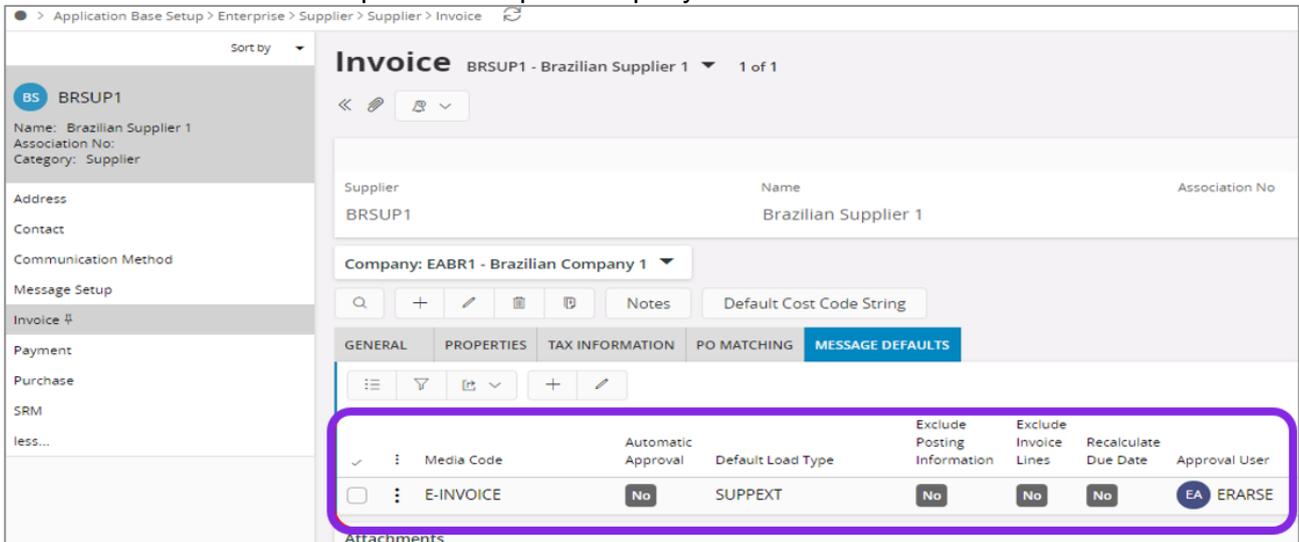
28.1 Prerequisites

- The company must be set-up to use Brazilian localization, see the Company Set-Up chapter and the “Incoming Nota Fiscal” parameter must be enabled.
- The “Address Specific Tax Registration Numbers” parameter must be enabled
Read the chapter “Address Specific Tax Registration Numbers” and setup Supplier (Carrier) and Company CNPJ accordingly.
- Purchase Charge type related for Freight should be in place in Application Base Setup/Enterprise/Site/Site/Sales and Procurement/Procurement tab.



The screenshot shows the 'Sales and Procurement' interface for 'SARB - SARK BRAZIL SITE - SARKBRAZIL'. The 'PROUREMENT' tab is active. Under the 'Charge Types for Incoming Nota Fiscal' section, the 'Freight' dropdown is set to 'FREIGHT' and the 'Insurance' dropdown is set to 'INSURANCE'. Both dropdowns are highlighted with a red box.

- Media Code “E-INVOICE” and Default Load Type “SUPPEXT” must be set up on the Supplier in page **Application Base Setup/Enterprise/Supplier/Supplier/Invoice**, tab **Message Defaults**. This set-up is defined per Company ID.



Application Base Setup > Enterprise > Supplier > Supplier > Invoice

Invoice BRSUP1 - Brazilian Supplier 1 1 of 1

Supplier: BRSUP1 Name: Brazilian Supplier 1 Association No: [blank]

Company: EABR1 - Brazilian Company 1

GENERAL PROPERTIES TAX INFORMATION PO MATCHING **MESSAGE DEFAULTS**

	Media Code	Automatic Approval	Default Load Type	Exclude Posting Information	Exclude Invoice Lines	Recalculate Due Date	Approval User
<input checked="" type="checkbox"/>	Media Code						
<input type="checkbox"/>	E-INVOICE	No	SUPPEXT	No	No	No	EA ERARSE

- The core functionality *External Supplier Invoice Tax Codes* must be defined and make sure that the correct Tax Type Category relates to each tax code. In this page the Brazilian tax types categories have been added. Enter “*” for both Supply and Delivery Country.



Financials > Supplier Invoice > External Invoice > External Supplier Invoice Tax Codes

External Supplier Invoice Tax Codes

	Incoming Tax (%)	Supplier	Supply Country	Delivery Country	Tax Type Category	Tax Code	Tax (%)
<input type="checkbox"/>	15	BRSUP1 - Brazilian Supplier 1	*	*	IPI	IPI15 - IPI 15%	15
<input type="checkbox"/>	17	BRSUP1 - Brazilian Supplier 1	*	*	ICMS	ICMS17 - ICMS 17%	17

- Go to **Financials/Supplier Invoice/External Invoice/External Supplier Invoice Parameters** & enable "Used for Incoming Nfe".

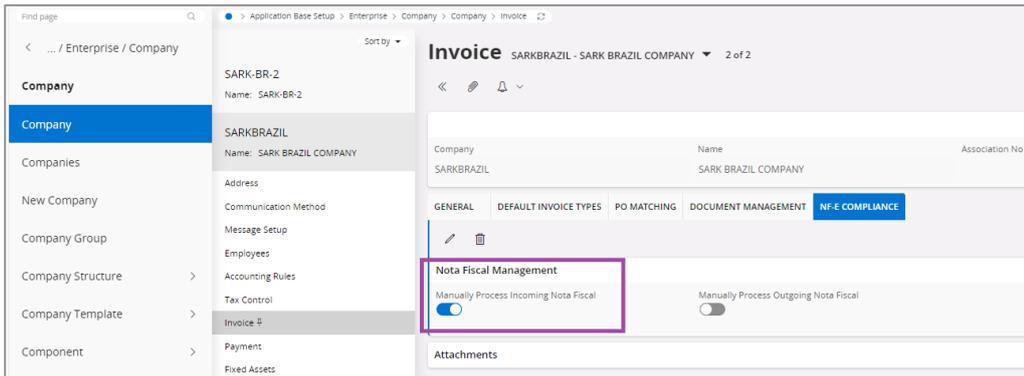


Financials > Supplier Invoice > External Invoice > External Supplier Invoice Parameters

External Supplier Invoice Parameters

	Load Type	Invoice Type	Default	Changeable	Deleteable	Check When Loaded	Create When Checked	Allow Partial Create	Create Posting Proposal if Postings Exist	Create Image	Enforce Project Unique Procurement	Use Code String Completion	Base For Transaction Date	Tax Recalculation Method	Do Not Recalculate Amounts	Validate Payment Address ID	Used for Incoming Nfe
<input checked="" type="checkbox"/>	SUPPEXT	SUPPEXT	Yes	Yes	Yes	No	No	No	No	No	No	No	System Date	None	No	No	Yes

- Enable/Disable the "Manually Process Incoming Nota Fiscal" toggle in Application Base Setup/Enterprise/Company/Company/Invoice/NF-E COMPLIANCE tab.



28.2 Receive Bill of Lading Automatically (CT-e) – Using External Supplier Invoice Flow

IFS Cloud standard External Supplier Invoice flow is used in this scenario to upload the received Bill of Lading XML file (CT-e). Once uploading the CT-e XML in External Supplier Invoice flow, Bill of Lading could be created automatically.

Please see the details in the process described step by step in below chapters.

28.2.1 RECEIVE CTE XML FILE AND CREATE THE BILL OF LADING

Use IFS Core External Supplier Invoice flow to load the CT-e XML and create the Bill of Lading using **Create Nota Fiscal** command.

Note

This activity is used to read an external input file, unpack the file data and call a dedicated interface (API) that will continue with the further processing of data.

Bill of Lading Document Identification

```
<mod>57</mod>
```

If the mod value is “57”, it is identified as a Bill of Lading document.

Company Supplier Identification

```
<emit>
<CNPJ>40730441000163</CNPJ>
<xNome>SARKBRAZILFREIGHT</xNome>
</emit>
```

Freight Carrier (Supplier) will be identified using the CNPJ value of <emit>.

```
<dest>
<CNPJ>45504618000127</CNPJ>
<xNome>SARKBRAZIL</xNome>
</dest>
```

Company will be identified using the CNPJ value of <dest>. Here the CNPJ linked to “Site” will be identified.

Service Start & End Location Identification

`<cMunIni>1200401</cMunIni>`

First two numbers in `<cMunIni>` represent the Numeric State code of the Service Start State and last 5 numbers represent the Numeric City code of the Service Start City.

`<cMunFim>3550308</cMunFim>`

First two numbers in `<cMunFim>` represent the Numeric State code of the Service End State and last 5 numbers represent the Numeric City code of the Service End City.

Gross Amount & Taxes Identification

```
<vPrest>
  <vTPrest>12.05</vTPrest>
  <vRec>12.05</vRec>
  <Comp>
    <xNome>Frete Valor</xNome>
    <vComp>12.05</vComp>
  </Comp>
</vPrest>
<imp>
  <ICMS>
    <ICMS00>
      <CST>00</CST>
      <vBC>12.05</vBC>
      <pICMS>17.00</pICMS>
      <vICMS>2.05</vICMS>
    </ICMS00>
  </ICMS>
  <vTotTrib>2.05</vTotTrib>
</imp>
```

`<vTPrest>` represents the Gross Amount of the Bill of Lading and Tax details can be found inside `<imp>` tag.

Create Bill of Lading using External Supplier Invoice

- Go to *Financials/Supplier Invoice/External Invoice/External Supplier Invoice Load Information* and select the command **Create Nota Fiscal**.

Financials > Supplier Invoice > External Invoice > External Supplier Invoice Load Information

External Supplier Invoice Load Information

Invoice Information | Check Invoices | Create Invoices | **Create Nota Fiscal** | Remove Invoices

(1)	Load ID	Load Date	User ID	Load Type	Load Status	Create Nota Fiscal	ID
<input checked="" type="checkbox"/>	237	7/26/2022	SR SARKLK	SUPPEXT	Checked		

View Bill of Lading using command View Incoming Nota Fiscal

Financials > Supplier Invoice > External Invoice > External Supplier Invoice Load Information

External Supplier Invoice Load Information

Invoice Information | **View Incoming Nota Fiscal** | Remove Invoices

(1)	Load ID	Load Date	User ID	Load Type	View Incoming Nota Fiscal	Load File ID
<input checked="" type="checkbox"/>	237	7/26/2022	SR SARKLK	SUPPEXT	Created	

Document Type

Document Type
Bill of Lading

Sender

Supplier
SARKBRAZILFREIGHT - SARK BRAZIL FREIGHT SUPPLIER

Receiver

Company
SARKBRAZIL - SARK BRAZIL COMPANY

Bill of Lading Series: 001 | Bill of Lading No: 000060315 | Invoice Date: 10/21/2021 | Object Type: Manual Supplier Invoice

Object Reference: 001000060315 | Object Reference Status: Preliminary | Payment Terms: 0 | Currency Code: BRL

Bill of Lading Text
O valor aproximado dos tributos e de R\$ 24,84

Business Transaction ID: [Dropdown] | Site: SARB

Amounts

Gross Amount	Net Amount	Tax Amount
12.05	10.00	2.05

LINES | ADDRESS

Line ID	Tax Code	Tax Calculation Structure	Multiple Tax	Gross Curr Amount	Net Amount	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Part No/Charge Type	Description	Charge Line
1	ICMS-17		No	12.05	10.00	2.05	2.05	1.03	FREIGHT	Freight Charges	Yes

Address details can be found in Address tab.

LINES			
ADDRESS			
Sender			
Sender Document Address ID	Sender Delivery Address ID	Sender CNPJ	Sender State Registration
HO	HO	40.730.441/0001-63	
Service Start State	Service Start City		
Acre	Rio Branco		
Receiver			
Receiver Document Address ID	Receiver Delivery Address ID	Receiver CNPJ	Receiver State Registration
HO	HO	45.504.618/0001-27	12345678991234
Service End State	Service End City		
São Paulo	São Paulo		

28.3 Enter Bill of Lading Manually (DACTe) – Using Incoming Nota Fiscal and Bill of Lading Page

Create Bill of Lading manually using **Financials/Financial e-Reporting/Incoming Nota Fiscal** page. For this purpose, you can use DACTE document received.

Select the Document Type as Bill of Lading.

Incoming Nota Fiscal - 1 of 2

Save Cancel New

Document Type

Document Type

Nota Fiscal

Nota Fiscal

Bill of Lading

Customer Return Nota Fiscal

Then fill all the relevant data in the DACTe.

Incoming Nota Fiscal and Bill of Lading - 0012411

Q Search (8) Advanced

Document Id Document Series Document Type: Bill of Lading Status: Approved More Favorites Search Clear

Document Type
Bill of Lading

Sender	Receiver
Supplier BR FORWARDER - BR FORWARDER	Company STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY

Site	Entry Date	Issue Date
SPO1	09/01/2025	09/01/2025
Fiscal Document Model	Document No	Object Type
57	2411	Manual Supplier Invoice
Object Reference Status	Currency Rate	
Preliminary	1	
Document Text		

Business Transaction ID	Payment Terms	Currency Code
	10 - 10 Days Net	BRL

Amounts

LINES ADDRESS NF-E/CT-E INFORMATION

Part No	Description	Charge Line	Quantity	Sales Unit Measure	Inventory Unit Measure	Tax Document Line Text	GTIN Series	GTIN No	Goods/Services Statistical C
	FREIGHT	Yes	1						

28.4 Create Manual Supplier Invoice, Approve and Process Manual Supplier Invoice

Once creating the Bill of Lading automatically or manually, user can create Manual Supplier Invoice and approve the Bill of Lading Document. Finally, user can process the Manual Supplier Invoice using standard IFS functionality.

Create Manual Supplier Invoice

Incoming Nota Fiscal - 109231313131 1 of 24+

⏪
+
📄
✎
🔔
⌵
Cancel
Create Manual Supplier Invoice

Document Type

Document Type
Bill of Lading

Sender

Supplier
SARKBRAZILSUP - SARK BRAZIL SUPPLIER

Approve Bill of Lading

Incoming Nota Fiscal - 122213131231 3 of 24+

« + 📄 ✎ 🔔 ▾ **Approve** Cancel Manual Supplier Invoice

Document Type

Document Type
Bill of Lading

Sender

Supplier
SARKBRAZILFREIGHT - SARK BRAZIL FREIGHT SUPPLIER

Process Manual Supplier Invoice

Bill of Lading Document contains only freight charges and taxes related to freight for a specific delivery attached to one or more Incoming Nota Fiscals. Therefore, distribution of Bill of lading freight charges must be done at the arrival of the delivery. This can be performed using standard IFS functionalities like Register Arrivals or Incoming Dispatch Advice etc.

To process the Manual Supplier Invoice related to Bill of Lading, the arrival transaction of the goods related to delivery and the distribution of the charges must be performed. Once it is completed, user can match the Manual Supplier Invoice with correct charge lines and can be Authorized it for payment. *(Follow standard Manual Supplier Invoice process)*

29 Importation - Tax Determination and Incoming Nota Fiscal for Tax Authority Approval

29.1 Overview Legal Requirement

In Brazil, it's a legal requirement to issue a Nota Fiscal for the business transactions related to sales, procurement, transfer of goods and other non-billable operations. The Nota Fiscal must be authorized by the Brazilian Tax Authority prior to shipment of goods and the printed version of Nota Fiscal (DANFE – Auxiliary Document for e-Nota Fiscal) is used to support the transportation of goods to the recipient's locations.

In the Importation scenario, the Brazilian buying Company must apply correct taxes and issue an Incoming Nota Fiscal that should be approved by the Brazilian Tax Authority as this will not be done by the Foreign Supplier. The requirement therefore would be to prepare the Incoming Nota Fiscal with support for tax calculations and communication to the Tax Authority by the Brazilian buyer Company.

29.2 Process Overview



29.3 Business Objectives

The primary objective is the creation of Incoming Nota Fiscal for Incoming Dispatch Advice to support the import process.

Other Business Objectives would be to support for customs clearance related taxes and fees in Incoming Nota Fiscal and NF-e communication via Avalara from Incoming Nota Fiscal.

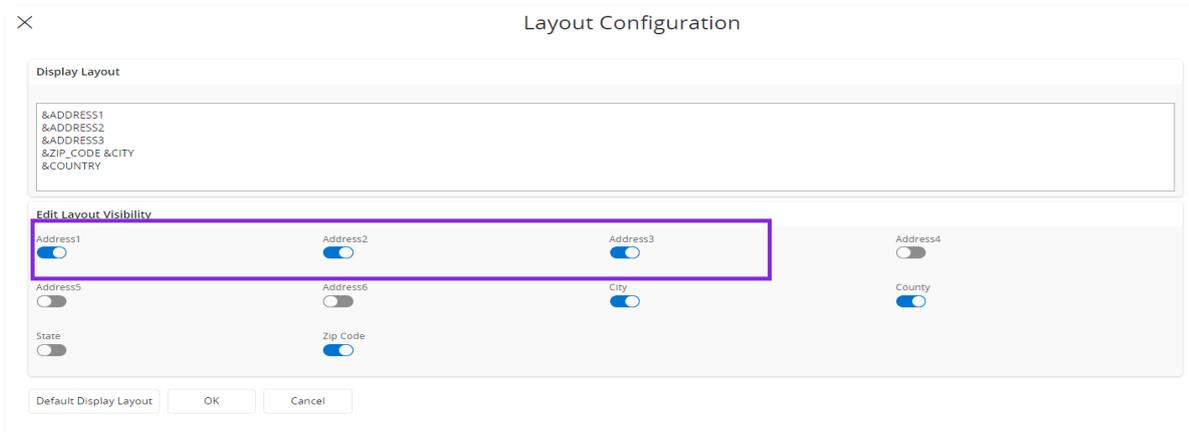
29.4 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set up chapter. And the "Incoming Nota Fiscal" parameter under the **Localization Control Center tab** must be enabled on the *Company/Localization Control Center* tab.

The company should have a foreign supplier, and to represent the authorities a state supplier and a federal supplier under the scenario that company decides to pay taxes instead of a broker.

29.5 Define Basic Data

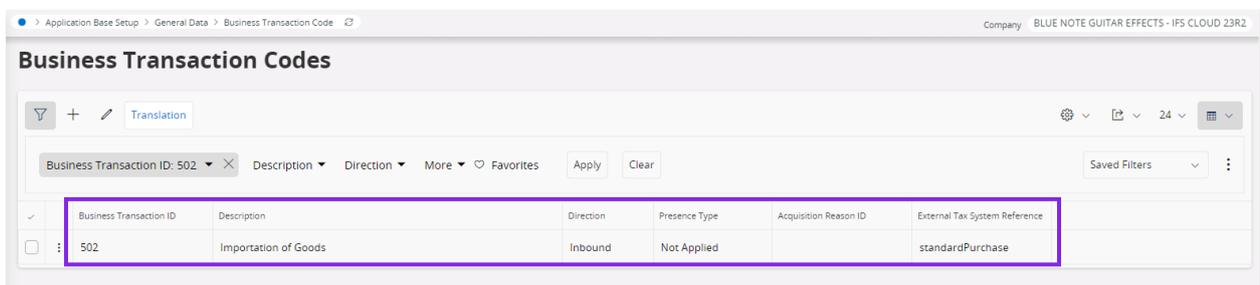
29.5.1 THE ADDRESS PRESENTATION



The Address Presentation for the foreign supplier's country should be set up for 3 addresses on the **Application Base Setup/Enterprise/Basic Data/Address Presentation** page for the supplier's country.

29.5.2 BUSINESS TRANSACTION CODE

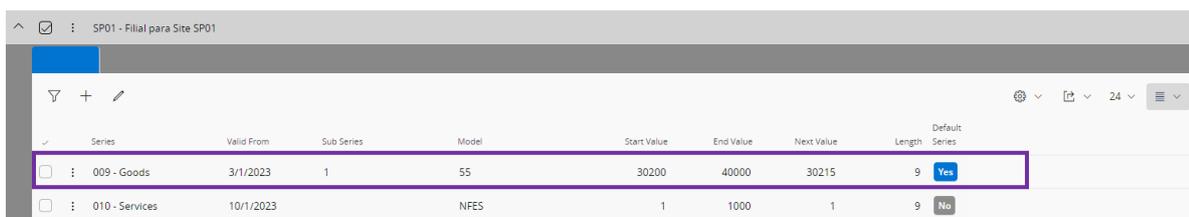
Navigate to **Business Transaction Codes** page available in **Application Base Setup/General Data/Business Transaction Code**. Enter "502" as the Business Transaction ID for Importation of Goods.



Business Transaction ID	Description	Direction	Presence Type	Acquisition Reason ID	External Tax System Reference
502	Importation of Goods	Inbound	Not Applied		standardPurchase

29.5.3 GENERATION OF OFFICIAL INVOICE NUMBER

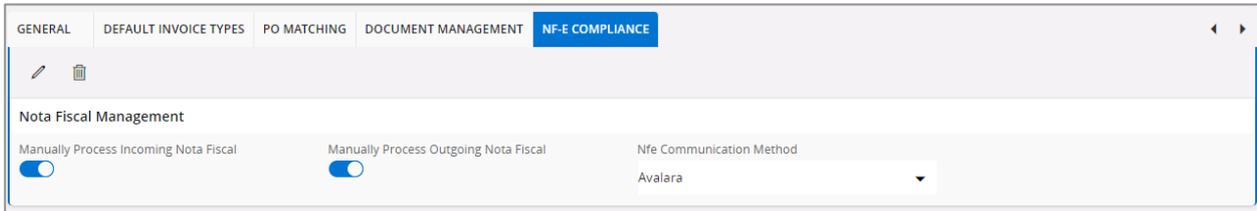
Open the "Branches" tab in **Application Base Setup/Enterprise/Company/Company/Invoice/Official Invoice Number Components** page and enter the company Branch IDs that need Nota Fiscal numbers to be generated.



Series	Valid From	Sub Series	Model	Start Value	End Value	Next Value	Length	Default Series
009 - Goods	3/1/2023	1	55	30200	40000	30215	9	Yes
010 - Services	10/1/2023		NFES	1	1000	1	9	No

29.5.4 INTEGRATION TO BRAZILIAN EXTERNAL TAX SYSTEM – NF-E COMMUNICATION

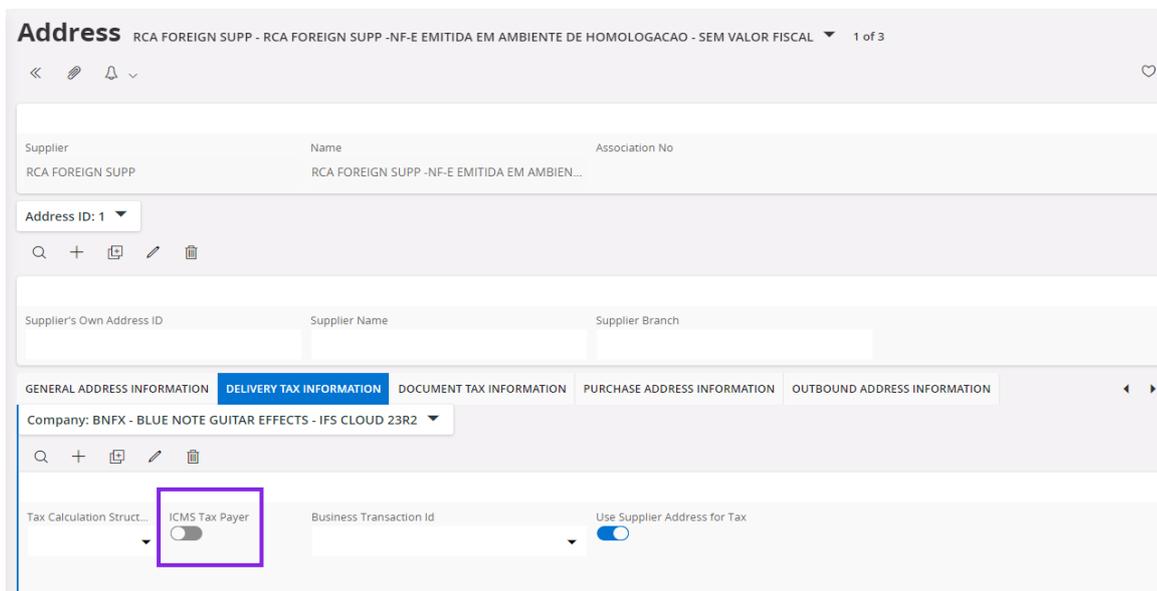
Select “Avalara” as the NF-e Communication Method in page **Application Base Setup/Enterprise/Company/Company/Invoice** and tab **NF-E COMPLIANCE**.



The screenshot shows the 'NF-E COMPLIANCE' tab selected. Under 'Nota Fiscal Management', there are three settings: 'Manually Process Incoming Nota Fiscal' (checked), 'Manually Process Outgoing Nota Fiscal' (checked), and 'Nfe Communication Method' set to 'Avalara'.

29.5.5 ICMS TAX PAYER

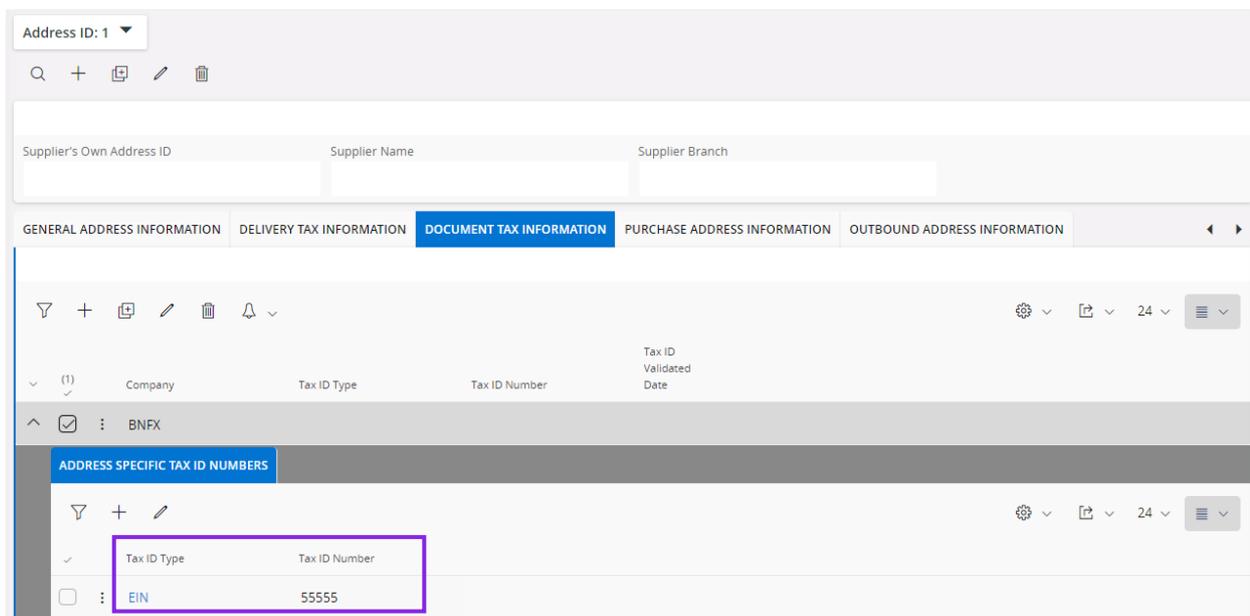
ICMS Tax Payer functionality of the Foreign Supplier should be disabled in the **Financials/Supplier Invoice/Supplier/Address/Delivery Tax Information** page.



The screenshot shows the 'DELIVERY TAX INFORMATION' tab. In the 'Tax Calculation Struct...' section, the 'ICMS Tax Payer' toggle is turned off and highlighted with a red box. Other visible fields include 'Supplier', 'Name', 'Association No', 'Supplier's Own Address ID', 'Supplier Name', 'Supplier Branch', 'Company: BNFX - BLUE NOTE GUITAR EFFECTS - IFS CLOUD 23R2', 'Business Transaction Id', and 'Use Supplier Address for Tax' (checked).

29.5.6 FOREIGN TAX ID

Enter address specific tax ID numbers for foreign supplier on tab **Document Tax Information** in the **Application Base Setup/Enterprise/Supplier/Supplier/Address** page, in the nested list below your Brazilian company.



29.5.7 DEFINE IMPORT SPECIFIC CHARGES

The following Import Specific Charges should be set up in the **Procurement/ Part/ Purchase Charge Type** page.

- International Freight
- International Insurance
- International Expenses
- AFRMM
- Wharfage
- SISCOMEX
- Demurrage

For the above charges, the relevant Charge Category should be selected from the dropdown “Brazilian Charge Category”.

Purchase Charge Type AFRMM - AFRMM - PBS 2 1 of 7

Charge Type: AFRMM | Description: AFRMM | Charge Group: MN-FREIGHT | Charge Group Description: FREIGHT | Site: PBS 2 | Price UoM: *

GENERAL | DESCRIPTIONS

Details

Distribute Charge By: | Invoicing Supplier: **PB** PUGULK BROKER SUPP - Pugulk Bro...

Charge Price: 0.00 BRL | Charge Price incl Tax: 0.00 BRL

Charge (%): | Unit Charge:

Distribute on Receipt: | HSN/SAC Code:

Brazilian Charge Category: AFRMM

Tax

Tax Code: | Taxable:

Use Price Incl Tax:

Indicators

Intrastat Exempt: | Print Charge Amount:

29.6 Create Purchase Order

Follow the IFS standard Core process to enter a purchase order for inventory purchase parts in the **Procurement/Order/Purchase Order** page. Enter the Business Transaction ID as “502-Importation of Goods” when saving the Purchase Order.

Brazilian Specific Attributes

Business Transaction Id: 502 - Importation of Goods

Invoicing

Invoicing Supplier: **PF** PUGULK FOREIGN SUPP | Payment Terms: 0 - Due Immediately | Tax Liability: TAX | Pre-posting: | Consolidated: **No**

Payment Schedules Ex...: | Use Price Incl Tax:

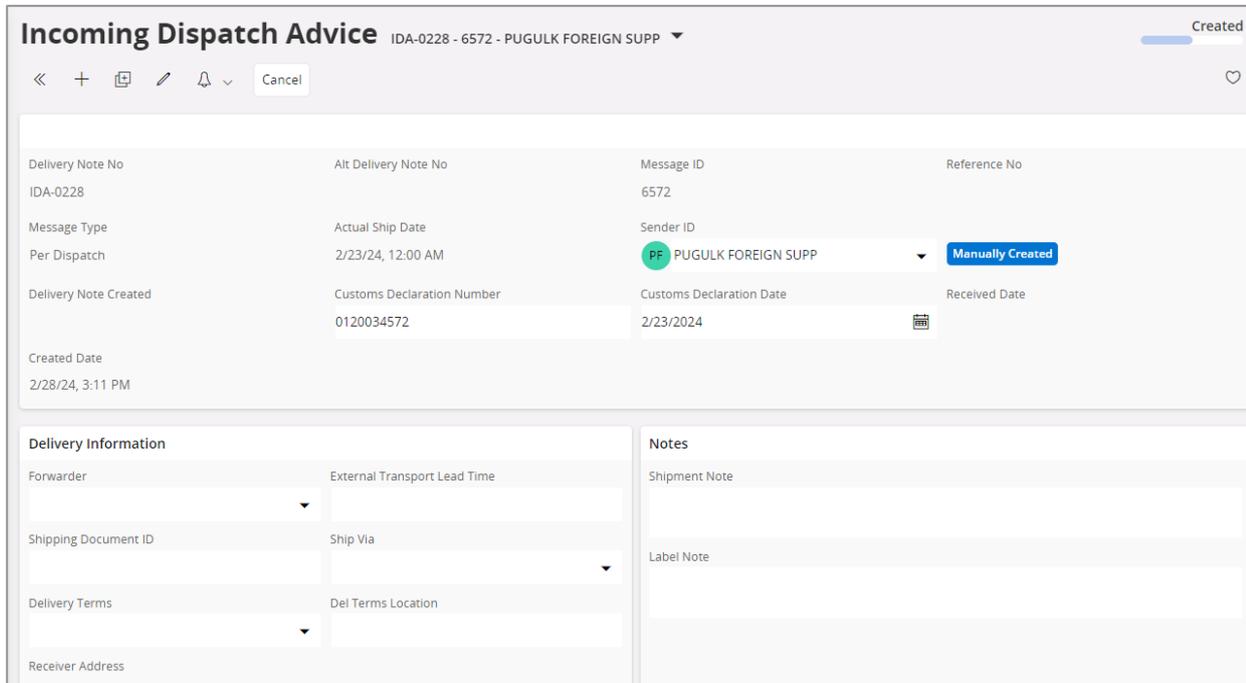
Note:

Since AVALARA Brazilian integration is supported for the tax calculation for Purchase Order, Brazilian specific taxes will be calculated in the PO level automatically.

Upon the calculation of taxes, release and confirm the Purchase Order.

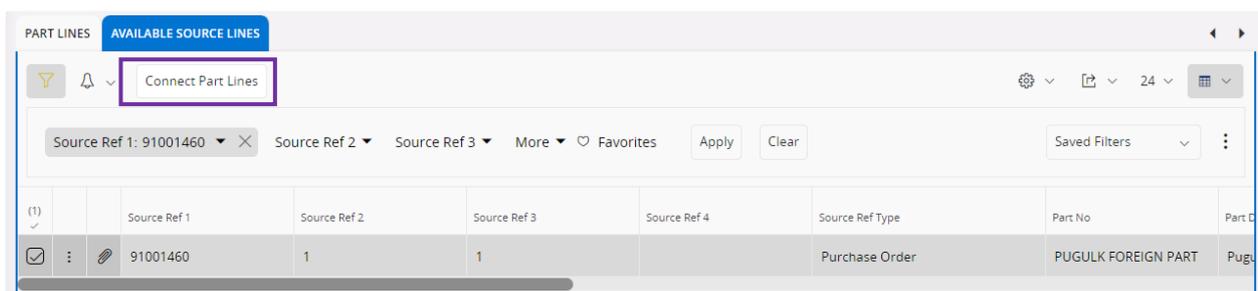
29.7 Create the Incoming Dispatch Advice

Follow the IFS standard Core process to enter an Incoming Dispatch Advice on **Procurement/Receipt/Dispatch Advice/Incoming Dispatch Advice** page. Manually enter the details of Delivery Note No, Sender ID, Ship Date, Customs Declaration No and date. Then save the dispatch advice.



29.7.1 CONNECT PURCHASE ORDER PART LINES TO INCOMING DISPATCH ADVICE

Once Incoming Dispatch Advice is saved, connect the previously created Purchase order/s to the Incoming Dispatch Advice from “Available Source Lines” tab.



When Part Lines are connected to the Incoming Dispatch Advice, the PO Part Lines will be available in “Part Lines” tab.

29.7.2 CONNECT CHARGES TO PURCHASE ORDER PART LINES

Charges can be entered from selecting the PO Part Lines in the “Part Lines” tab in the Incoming Dispatch Advice.

PART LINES		AVAILABLE SOURCE LINES							
		Charges		Receive	Cancel	Source Details	Disconnect Part Lines		
(1) ✓	Source Ref 1	Source Ref 2	Source Ref 3	Source Ref 4	Source Ref Type	Part No	Description		
<input checked="" type="checkbox"/>	91001460	1	1		Purchase Order	PUGULK FOREIGN PART	Pugulk For		

The Importation Specific Charges can then be entered in “Charges for Incoming Dispatch Advice” dialog. The charges need to be connected to relevant Purchase Order/s and Purchase Order Lines.

Charges for Incoming Dispatch Advice													
✓	Sequence No	Charge Type	Charge Type Description	Charge Currency	Distribute Charge By	Connect to Purchase Order No	Connect to Line No	Connect to Rel No	Transfe... to Orders	Invoicing Supplier	Charge Price/Charge Curr	Charge Price Incl Tax/Charge Curr	Distrib on Re
<input type="checkbox"/>	1	AFRMM	AFRMM	BRL		91001460	1	1	No	PU PUGULK BROKER ...	40	40	No
<input type="checkbox"/>	2	DEMURRAGE	Demurrage	BRL		91001460	1	1	No	PU PUGULK BROKER ...	40	40	No
<input type="checkbox"/>	3	WHARFAGE	Wharfage	BRL		91001460	1	1	No	PU PUGULK BROKER ...	40	40	No
<input type="checkbox"/>	4	SISCOMEX	SISCOMEX	BRL		91001460	1	1	No	PU PUGULK BROKER ...	40	40	No
<input type="checkbox"/>	5	INTERNATIONAL FREIG...	International Freight	USD		91001460	1	1	No	PU PUGULK BROKER ...	10	10	No
<input type="checkbox"/>	6	INTERNATIONAL INSU...	International Insurance	USD		91001460	1	1	No	PU PUGULK BROKER ...	10	10	No
<input type="checkbox"/>	7	INTERNATIONAL EXPE...	International Expenses	USD		91001460	1	1	No	PU PUGULK BROKER ...	10	10	No

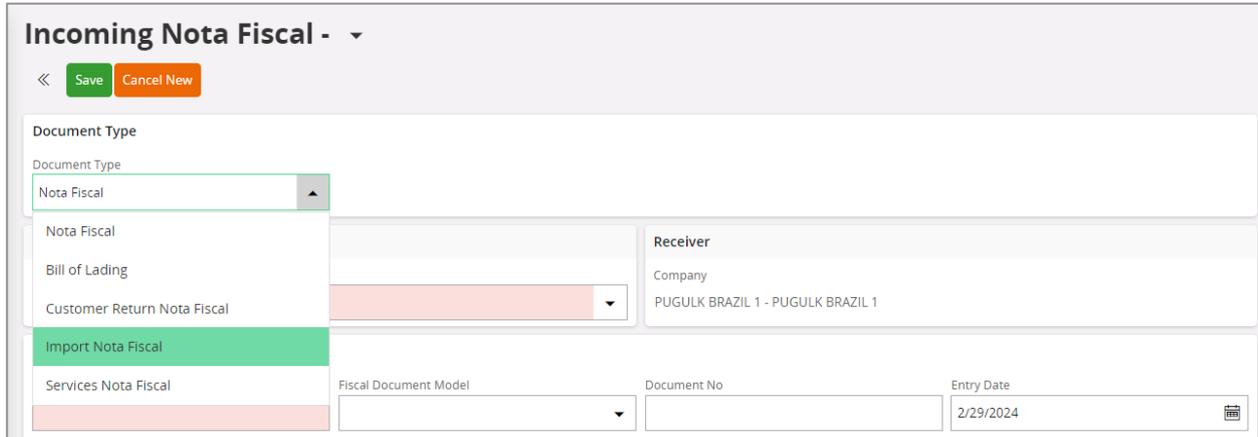
The Invoicing Supplier for the Import Specific charges will be a Brazilian Supplier other than the Foreign Supplier.

Once that’s done, the Charges can be connected to the Purchase Order Part Lines from the command **Transfer Charges to Purchase Order**.

Charges for Incoming Dispatch Advice													
Transfer charges to purchase order													
(7) ✓	Sequence No	Charge Type	Charge Type Description	Charge Currency	Distribute Charge By	Connect to Purchase Order No	Connect to Line No	Connect to Rel No	Transferred to Orders	Invoicing Supplier	Charge Price/Charge Curr	Charge Price Incl Tax/Charge Curr	Distrib on Re
<input checked="" type="checkbox"/>	1	AFRMM	AFRMM	BRL		91001423	1	1	No	PU PUGULK BROKER SUPP - ...	40	40	No
<input checked="" type="checkbox"/>	2	DEMURRAGE	Demurrage	BRL		91001423	1	1	No	PU PUGULK BROKER SUPP - ...	40	40	No
<input checked="" type="checkbox"/>	3	WHARFAGE	Wharfage	BRL		91001423	1	1	No	PU PUGULK BROKER SUPP - ...	40	40	No
<input checked="" type="checkbox"/>	4	SISCOMEX	SISCOMEX	BRL		91001423	1	1	No	PU PUGULK BROKER SUPP - ...	40	40	No
<input checked="" type="checkbox"/>	5	INTERNATIONAL FRE...	International Freight	USD		91001423	1	1	No	PU PUGULK BROKER SUPP - ...	10	10	No
<input checked="" type="checkbox"/>	6	INTERNATIONAL INSU...	International Insuran...	USD		91001423	1	1	No	PU PUGULK BROKER SUPP - ...	10	10	No
<input checked="" type="checkbox"/>	7	INTERNATIONAL EXP...	International Expenses	USD		91001423	1	1	No	PU PUGULK BROKER SUPP - ...	10	10	No

29.8 Enter Incoming Nota Fiscal – Using Incoming Nota Fiscal Page

Create Incoming Nota Fiscal manually using **Financials/Financial e-Reporting/Incoming Nota Fiscal** page. Select the “Document Type” as Import Nota Fiscal.



Incoming Nota Fiscal -

Save Cancel New

Document Type

Document Type

Nota Fiscal

Nota Fiscal

Bill of Lading

Customer Return Nota Fiscal

Import Nota Fiscal

Services Nota Fiscal

Receiver

Company

PUGULK BRAZIL 1 - PUGULK BRAZIL 1

Fiscal Document Model

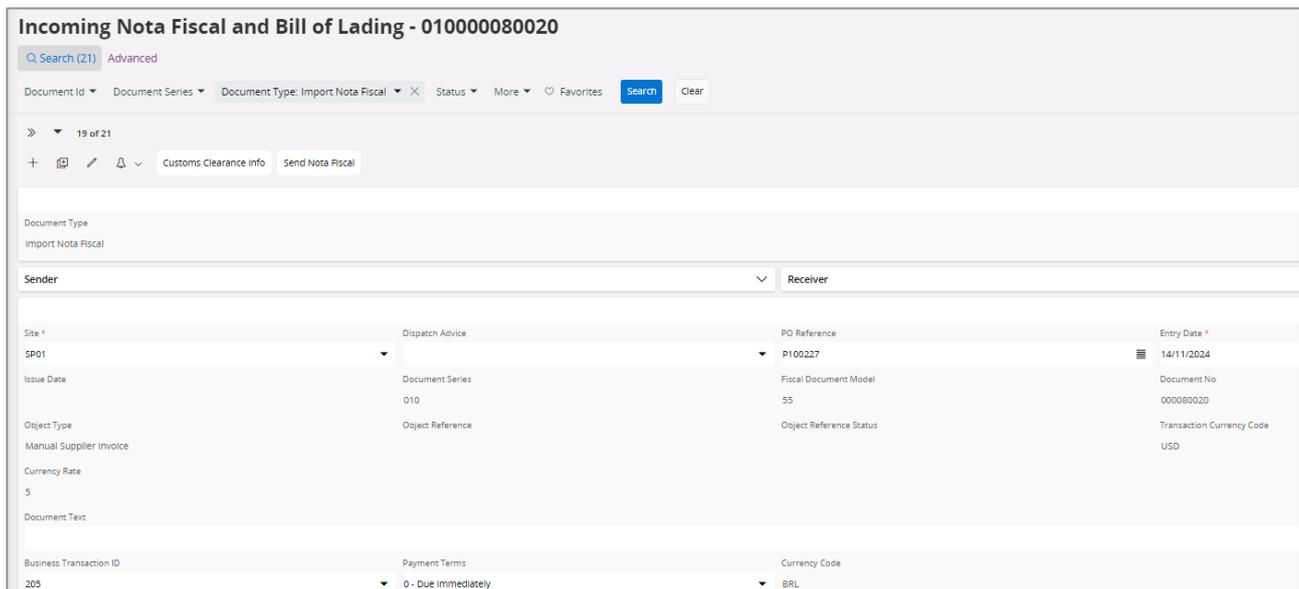
Document No

Entry Date

2/29/2024

Select the Site and the default series for the selected Branch will be picked. The Nota Fiscal Document Number in “Document No” field will be automatically generated.

Then enter the previously created Incoming Dispatch Advice No in the field **Dispatch Advice**. This will get the connected Purchase Orders in the Incoming Dispatch Advice to the **Incoming Nota Fiscal** page. Save the header level.



Incoming Nota Fiscal and Bill of Lading - 010000080020

Search (21) Advanced

Document Id Document Series Document Type: Import Nota Fiscal Status More Favorites Search Clear

19 of 21

Customs Clearance info Send Nota Fiscal

Document Type

Import Nota Fiscal

Sender Receiver

Site	Dispatch Advice	PO Reference	Entry Date
SP01		P100227	14/11/2024

Issue Date	Document Series	Fiscal Document Model	Document No
	010	55	000080020

Object Type	Object Reference	Object Reference Status	Transaction Currency Code
Manual Supplier Invoice			USD

Currency Rate

5

Document Text

Business Transaction ID	Payment Terms	Currency Code
205	0 - Due Immediately	BRL

Upon saving the Nota Fiscal the two command buttons **Send Nota Fiscal** and **Customs Clearance Info** will be visible on the Nota Fiscal Header.

Incoming Nota Fiscal - 009000002010 Initiated

Send Nota Fiscal | Customs Clearance Info

Document Type
Document Type
Import Nota Fiscal

Sender
Supplier
PUGULK FOREIGN SUPP - PUGULK FOREIGN SUPPLIER

Receiver
Company
PUGULK BRAZIL 1 - PUGULK BRAZIL 1

Once the Incoming Nota Fiscal is saved, the lines can be received using the “Copy Unreceived PO Lines”.

LINES ADDRESS GENERAL NF-E/CT-E INFORMATION

Lines

Copy Unmatched PO Receipts | Copy Unreceived PO Lines/Charges

Line ID	Tax Code	Tax Calculation Structure	Multiple Tax	BR Unit Price	Gross Amount	Gross Amount in Accounting Currency	Net Amount	Net Amount in Accounting Currency	Tax Amount
(No data)									

The PO lines and the Charges will be received accordingly, and the Charges will be presented in a nested table connected to the lines.

LINES ADDRESS GENERAL NF-E/CT-E INFORMATION

Lines

Tax Lines

Line ID	Tax Code	Tax Calculation Structure	Multiple Tax	BR Unit Price	Gross Amount	Gross Amount in Accounting Currency	Net Amount	Net Amount in Accounting Currency	Tax Amount
1			Yes	100.00	100.00	400.00	100.00	400.00	0.00

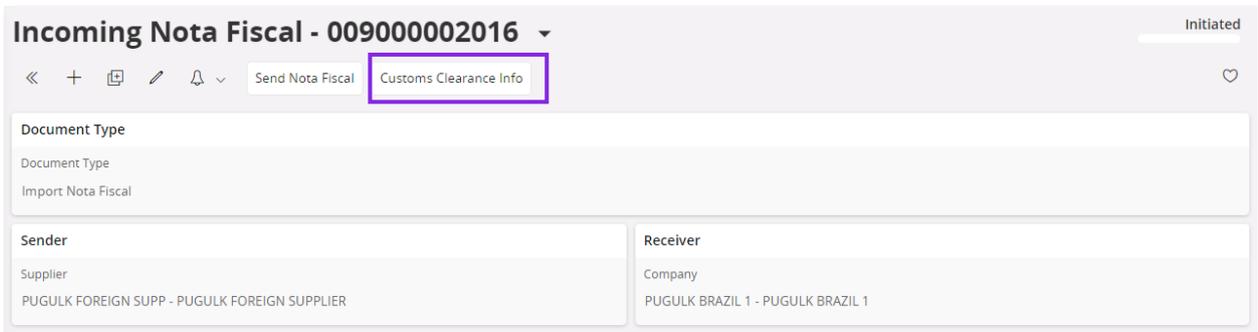
CHARGES

Charge Type	Description	Gross Amount	Net Amount	Tax Amount	Gross Amount in Accounting Currency	Net Amount in Accounting Currency	Tax Amount in Accounting Currency	Source Reference 1
AFRMM	AFRMM	10.00	10.00	0.00	40.00	40.00	0.00	91001460
DEMURRAGE	Demurrage	10.00	10.00	0.00	40.00	40.00	0.00	91001460
WHARFAGE	Wharfage	10.00	10.00	0.00	40.00	40.00	0.00	91001460
SISCOMEX	SISCOMEX	10.00	10.00	0.00	40.00	40.00	0.00	91001460
INTERNATIONAL FREIGHT	International Freight	10.00	10.00	0.00	40.00	40.00	0.00	91001460
INTERNATIONAL INSURANCE	International Insuran...	10.00	10.00	0.00	40.00	40.00	0.00	91001460
INTERNATIONAL EXPENSES	International Expenses	10.00	10.00	0.00	40.00	40.00	0.00	91001460

Once the lines are entered according to the Purchase Order/s, the relevant Customs Clearance Info for each line item need to be included. This can be edited either through the command **Customs Clearance Info** in the page header or through the separate columns in the line item.

29.8.1 ENTER CUSTOMS CLEARANCE INFO FROM THE PAGE HEADER COMMAND BUTTON

If the details are the same for all the connected Purchase Orders, the command button **Customs Clearance Info** in the *Incoming Nota Fiscal* page header can be used.



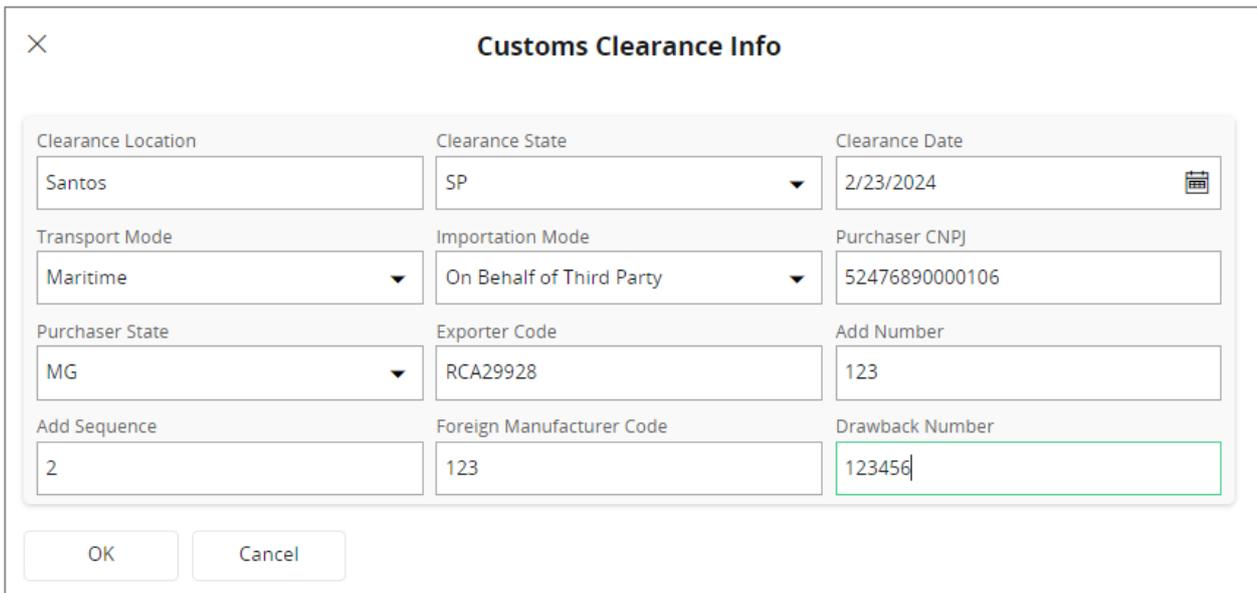
Incoming Nota Fiscal - 009000002016 Initiated

Send Nota Fiscal **Customs Clearance Info**

Document Type
Import Nota Fiscal

Sender: Supplier PUGULK FOREIGN SUPP - PUGULK FOREIGN SUPPLIER
Receiver: Company PUGULK BRAZIL 1 - PUGULK BRAZIL 1

This will open the dialog box “Customs Clearance Info”, where you can enter the specific details relevant to the Purchase. Fill the details and save.



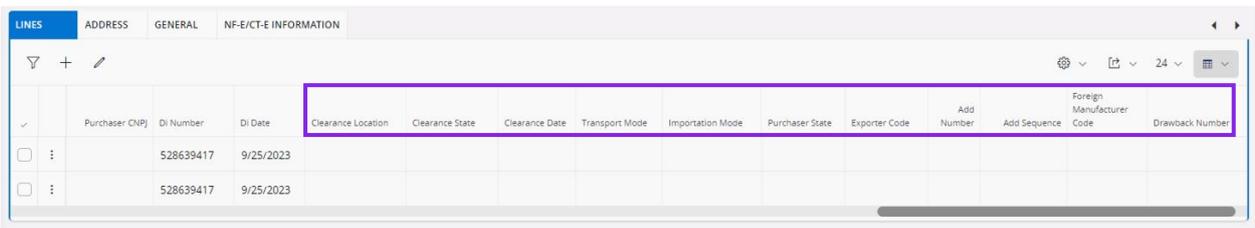
Customs Clearance Info

Clearance Location Santos	Clearance State SP	Clearance Date 2/23/2024
Transport Mode Maritime	Importation Mode On Behalf of Third Party	Purchaser CNPJ 52476890000106
Purchaser State MG	Exporter Code RCA29928	Add Number 123
Add Sequence 2	Foreign Manufacturer Code 123	Drawback Number 123456

OK Cancel

29.8.2 ENTER CUSTOMS CLEARANCE INFO IN THE LINE ITEMS

If needed to enter the Customs Clearance Info separately for each line item, it can be entered from line by line as required.



	Purchaser CNPJ	DI Number	DI Date	Clearance Location	Clearance State	Clearance Date	Transport Mode	Importation Mode	Purchaser State	Exporter Code	Add Number	Add Sequence	Foreign Manufacturer Code	Drawback Number
<input type="checkbox"/>	:	528639417	9/25/2023											
<input type="checkbox"/>	:	528639417	9/25/2023											

Once saved, the details will appear in the line items, these are mandatory fields that needs to be filled before sending the Nota Fiscal to get it approved.

LINES															
ADDRESS		GENERAL		NF-E/CT-E INFORMATION											
Lines															
✓	✓	Di Number	Di Date	Clearance Location	Clearance State	Clearance Date	Transport Mode	Importation Mode	Purchaser CNPJ	Purchaser State	Exporter Code	Add Number	Add Sequence	Foreign Manufacturer Code	Drawback Number
✓	☐	0120034572	2/23/2024	Santos	SP	2/23/2024	Maritime	On Behalf of Third Party	52476890000106	MG	RCA29928	123	2	123	123456

Use the command **Send Nota Fiscal** to generate the NF-e JSON file and send it to the third-party system integrator to communicate with the Brazilian Tax Authority for approval. Refer the appendix for more details on the request JSON file sent to AVALARA.

Incoming Nota Fiscal - 009000002016 Initiated

⏪ + 📄 ✎ 🔔 ⌵
Send Nota Fiscal
Customs Clearance Info
❤️

Document Type

Document Type
Import Nota Fiscal

<p>Sender</p> <p>Supplier PUGULK FOREIGN SUPP - PUGULK FOREIGN SUPPLIER</p>	<p>Receiver</p> <p>Company PUGULK BRAZIL 1 - PUGULK BRAZIL 1</p>
----------------------------------------------------------------------------------------	-----------------------------------------------------------------------------

29.9 Incoming Nota Fiscal – Approved

Once the request file sent by the Brazilian Company gets approved, the Incoming Nota Fiscal will come to the “Approved” state. Refer the appendix for more details on the request JSON file sent to AVALARA.

Incoming Nota Fiscal and Bill of Lading - 010000080132

Q Search (10) Advanced

Document Id Document Series Document Type: Import Nota Fiscal Status: Approved More Favorites Saved Searches

Search Clear

1 of 10 Approved

Send Cancel Request Create Supplier Invoices Correction Letter

Document Type
Import Nota Fiscal

Sender Receiver

Site	Dispatch Advice	PO Reference	Entry Date
SP01	200 - 2119	P100476	06/01/2025
Issue Date	Document Series	Fiscal Document Model	Document No
06/01/2025	010	55	000080132
Object Type	Object Reference	Object Reference Status	Transaction Currency Code
Manual Supplier Invoice			USD
Currency Rate			
5			
Document Text			

SEFAZ Status Code “100” indicates the response file is approved and this will be mentioned in the Response file received from AVALARA.

LINES ADDRESS GENERAL **NF-E/CT-E INFORMATION** CC-E INFORMATION

Nota Fiscal Response

NF-e/CT-e Key	NF-e/CT-e Protocol No	NF-e/CT-e Approval Date	NF-e/CT-e Status Code
352501041062300001905501000080132100...	135250000114045	06/01/2025	100

Return Message

Autorizado o uso da NF-e

```

"key": "35240204106230000190550090000020161000826564",
"subscriptionId": "0aa49b97-6be1-46b4-b271-f4efaa221f60",
"state": "SP",
"protocol": "135240000902210",
"status": {
  "code": "100",
  "desc": "Autorizado o uso da NF-e",
  "protocol": "135240000902210",
  "authorizationDateTime": "2024-02-29T00:42:34-03:00",
  "accessKey": "35240204106230000190550090000020161000826564",
  "serial": "9",
  "number": "2016"
}

```

Refer the Response file details received from AVALARA below.

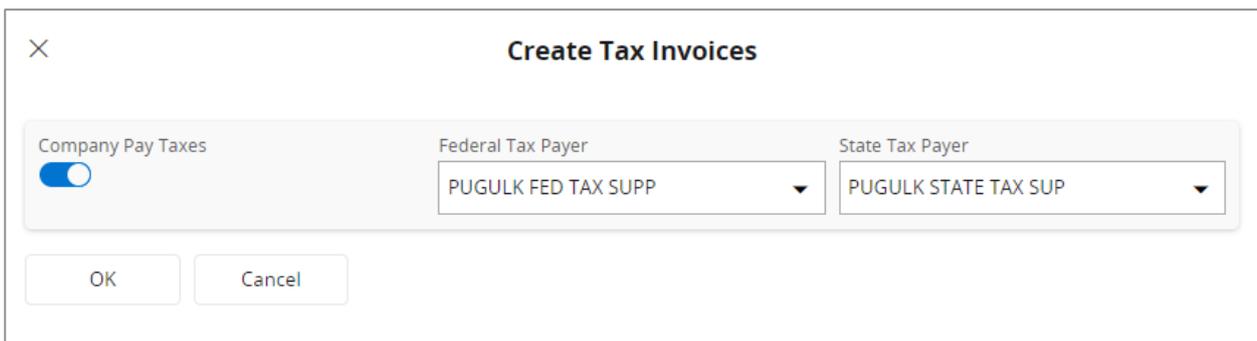
29.9.1 CREATING THE SUPPLIER INVOICES

Once the Incoming Nota Fiscal is Approved, the command Button **Create Supplier Invoices** will be enabled in the Nota Fiscal header. This can be used to Create the Manual Supplier Invoice for the Foreign Supplier and the Tax only Manual Supplier Invoices.



The screenshot shows the header of an 'Incoming Nota Fiscal' document with ID 009000002016. The document is in an 'Approved' state. In the top right corner, there are two buttons: 'Send Cancel Request' and 'Create Supplier Invoices'. Below the header, the 'Document Type' is 'Import Nota Fiscal'. The 'Sender' is 'PUGULK FOREIGN SUPP - PUGULK FOREIGN SUPPLIER' and the 'Receiver' is 'PUGULK BRAZIL 1 - PUGULK BRAZIL 1'.

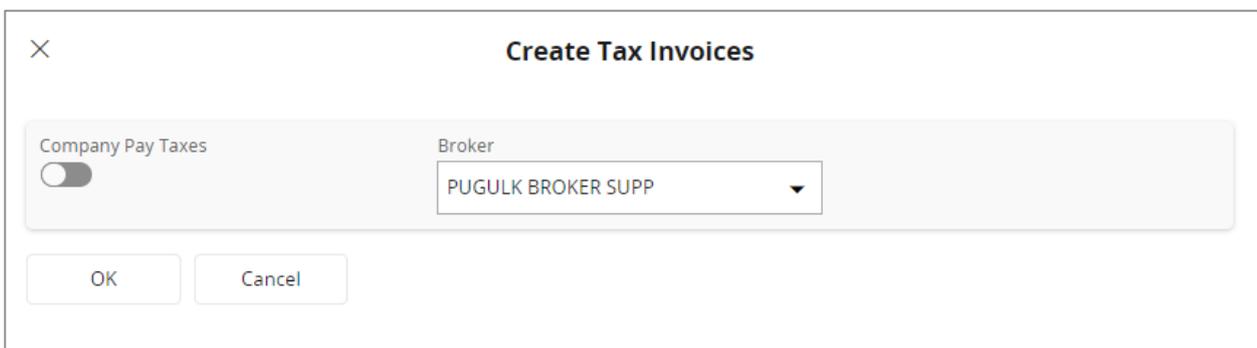
This will open the “Create Tax Invoice” dialog box. Here, the Brazilian company can enable/disable the “Company Pay Taxes” toggle button as per their requirement i.e., If the company decides to pay taxes instead of a broker, they can enable the “Company Pay Taxes” toggle button.



The 'Create Tax Invoices' dialog box is shown with the 'Company Pay Taxes' toggle button turned on. The 'Federal Tax Payer' dropdown is set to 'PUGULK FED TAX SUPP' and the 'State Tax Payer' dropdown is set to 'PUGULK STATE TAX SUP'. There are 'OK' and 'Cancel' buttons at the bottom.

Then, the Federal Tax Payer and the State Tax Payer needs to be correctly entered accordingly.

If the company decides a broker should pay taxes, they can disable the “Company Pay Taxes” toggle button.

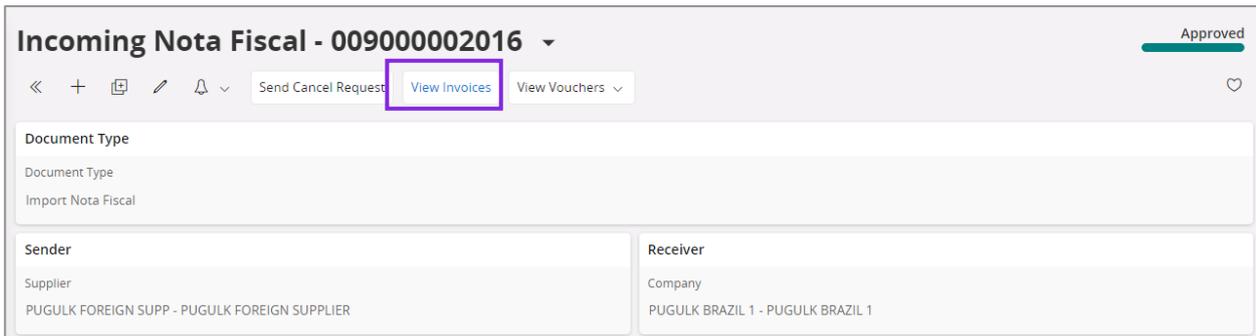


The 'Create Tax Invoices' dialog box is shown with the 'Company Pay Taxes' toggle button turned off. The 'Broker' dropdown is set to 'PUGULK BROKER SUPP'. There are 'OK' and 'Cancel' buttons at the bottom.

Once the Suppliers are entered accordingly in the ‘Create Tax Invoices’ dialog box, the Tax Invoices will be created accordingly.

29.9.2 POSTING THE SUPPLIER INVOICES – FOREIGN SUPPLIER INVOICE

The **View Invoices** command in the Incoming Nota Fiscal header can be used to View the created Supplier Invoices.



Incoming Nota Fiscal - 009000002016 Approved

Send Cancel Request **View Invoices** View Vouchers

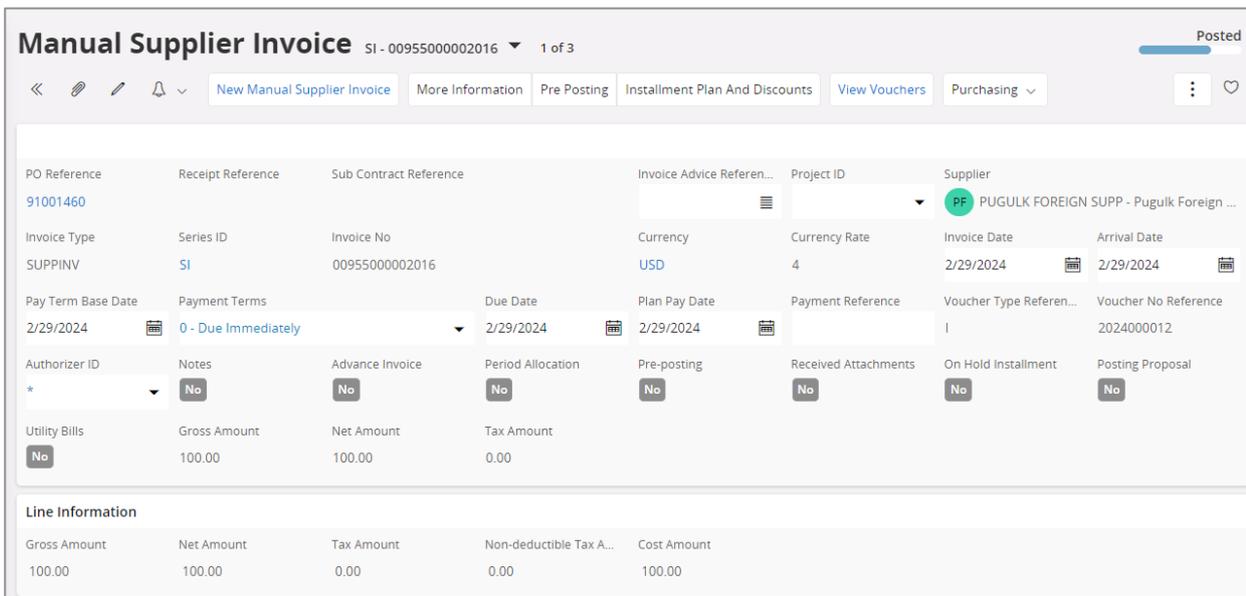
Document Type
Document Type
Import Nota Fiscal

Sender
Supplier
PUGULK FOREIGN SUPP - PUGULK FOREIGN SUPPLIER

Receiver
Company
PUGULK BRAZIL 1 - PUGULK BRAZIL 1

The Manual Supplier Invoice for the Foreign Supplier will be created in the Transaction Currency terms and accordingly to the Purchase Price of the relevant Part for Supplier.

Use the IFS standard core process to Post the Foreign Supplier Invoice.



Manual Supplier Invoice SI - 00955000002016 1 of 3 Posted

New Manual Supplier Invoice More Information Pre Posting Installation Plan And Discounts View Vouchers Purchasing

PO Reference	Receipt Reference	Sub Contract Reference	Invoice Advice Referen...	Project ID	Supplier		
91001460					PF PUGULK FOREIGN SUPP - Pugulk Foreign ...		
Invoice Type	Series ID	Invoice No	Currency	Currency Rate	Invoice Date	Arrival Date	
SUPPINV	SI	00955000002016	USD	4	2/29/2024	2/29/2024	
Pay Term Base Date	Payment Terms	Due Date	Plan Pay Date	Payment Reference	Voucher Type Referen...	Voucher No Reference	
2/29/2024	0 - Due Immediately	2/29/2024	2/29/2024		I	2024000012	
Authorizer ID	Notes	Advance Invoice	Period Allocation	Pre-posting	Received Attachments	On Hold Installment	Posting Proposal
*	No	No	No	No	No	No	No
Utility Bills	Gross Amount	Net Amount	Tax Amount				
No	100.00	100.00	0.00				

Line Information

Gross Amount	Net Amount	Tax Amount	Non-deductible Tax A...	Cost Amount
100.00	100.00	0.00	0.00	100.00

29.9.3 POSTING THE SUPPLIER INVOICES – TAX INVOICES

The IFS standard core process is used to Post the Tax Only Invoices created in the Importation process.

Note: If the User has selected that the Company is paying taxes,

The taxes from Incoming Nota Fiscal's Tax Lines having Tax Type Categories "IPI", "PIS", "II", "IOF" and "COFINS" set on its Tax Codes must be posted in the Manual Supplier Invoice which Supplier is the "Federal Tax Authority".

Supplier Invoice Vouchers

I 2024000013

Voucher Type	Voucher No	Date	Year	Period
I	2024000013	2/29/2024	2024	2

Voucher Postings

✓	Voucher Company	Account	Cost Cent	Code C	Code D	Code E	Code F	Proj Activity Seq No	Transact... Code	Process Code	Invol... Quan...	Curre... Code	Currency Rate	Convers... Factor	Tax Code	Debit Amount in Transaction Currency	Credit Amount in Transaction Currency
<input type="checkbox"/>	PUGULK BRAZIL 1	2493 - Oth. Acc Payable - Brazilian Federal ...							IP1			BRL	1	1			132.80
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	COFINS 0%	61.76	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	II	57.60	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	IOF	0.00	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	IPI 0%	0.00	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	PIS 0%	13.44	

The taxes from Incoming Nota Fiscal's Tax Lines having Tax Type Categories "ICMS", and "ICMS-ST" set on its Tax Codes must be posted in the Manual Supplier Invoice which Supplier is the "State Tax Authority".

Supplier Invoice Vouchers

I 2024000014

Voucher Type	Voucher No	Date	Year	Period
I	2024000014	2/29/2024	2024	2

Voucher Postings

✓	Voucher Company	Account	Cost Cent	Code C	Code D	Code E	Code F	Proj Activity Seq No	Transact... Code	Process Code	Invol... Quan...	Curre... Code	Currency Rate	Convers... Factor	Tax Code	Debit Amount in Transaction Currency	Credit Amount in Transaction Currency
<input type="checkbox"/>	PUGULK BRAZIL 1	2493 - Oth. Acc Payable - Brazilian State Tax							IP1			BRL	1	1			178.42
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	ICMS 0%	178.42	

Note: If the User has not selected the Company Pay Taxes,

The Tax Only Manual Supplier Invoice is created for the Broker Supplier in the dialog. All taxes from Incoming Nota Fiscal's Tax Lines are posted in this single Manual Supplier Invoice.

Supplier Invoice Vouchers

I 2024000006

Voucher Type	Voucher No	Date	Year	Period
I	2024000006	2/22/2024	2024	2

Voucher Postings

✓	Voucher Company	Account	Cost Cent	Code C	Code D	Code E	Code F	Proj Activity Seq No	Transact... Code	Process Code	Invol... Quan...	Curre... Code	Currency Rate	Convers... Factor	Tax Code	Debit Amount in Transaction Currency	Credit Amount in Transaction Currency
<input type="checkbox"/>	PUGULK BRAZIL 1	2494 - Other. Acc Payable - Brazilian Broker							IP1			BRL	1	1			490.12
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	COFINS 0%	96.50	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	ICMS 0%	282.62	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	II	90.00	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	IOF	0.00	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	IPI 0%	0.00	
<input type="checkbox"/>	PUGULK BRAZIL 1	2641 - Charged input VAT							IP3			BRL	1	1	PIS 0%	21.00	

29.9.4 POSTING THE SUPPLIER INVOICES – THE SUPPLIER INVOICE FOR CHARGES

The Supplier Invoice for Line Connected Charges can be created from **Financials/ Supplier Invoice/ New Manual Supplier Invoice** page.

New Manual Supplier Invoice

Header Information | Line Information | Posting Information

Company	Voucher Date	Accounting Year	Accounting Period	User Group	Voucher Type	Voucher No
PUGULK BRAZIL 1	2/29/2024	2024	2	AC	I	

PO Reference	Receipt Reference	Sub Contract Reference	Invoice Advice Reference	Project ID	Supplier
91001460					PUGULK BROKER SUPP - Pugulk Broker Supplier

Invoice Type	Series ID	Invoice No	Currency	Currency Rate	Invoice Date	Arrival Date	Pay Term Base Date
SUPPINV	SI	001-91001460	BRL	1	2/29/2024	2/29/2024	2/29/2024

Payment Terms	Due Date	Plan Pay Date	Payment Reference	Automatic Payment Authorization	Authorizer ID
0 - Due Immediately	2/29/2024	2/29/2024		No	*

Advance Invoice:

Gross Amount:

Net Amount:

Tax Amount:

Use the **Copy Unmatched PO Receipts** command to receive the lines for the Manual Supplier Invoice.

New Manual Supplier Invoice

Header Information | Line Information | Posting Information

Invoice							
Company	Supplier	Series ID	Invoice No	Currency	Gross Amount	Net Amount	Tax Amount
PUGULK BRAZIL 1	PUGULK BROKER SUPP	SI	001-91001460	BRL			

Line Information				
Gross Amount	Net Amount	Tax Amount	Non-deductible Tax Amount	Cost Amount
0.00	0.00	0.00	0.00	0.00

Lines											
<input type="button" value="Copy Unmatched PO Receipts"/> <input type="button" value="Copy Unreceived PO Lines"/>											
Line ID	Delivery Type	Income Type Identity	Tax Code	Tax Calculation Structure	Multiple Tax Lines	Tax (%)	Tax Method Tax Received	Part No/Charge Type	Gross Amount	Net Amount	Tax Amount
(No data)											

Then the line connected charges will be copied to Invoice Lines accordingly.

New Manual Supplier Invoice

Header Information — Line Information — Posting Information

Invoice

Line Information

Gross Amount	Net Amount	Tax Amount	Non-deductible Tax Amount	Cost Amount
280.00	280.00	0.00	0.00	280.00

Lines

Copy Unmatched PO Receipts Copy Unreceived PO Lines

Line ID	Delivery Type	Income Type Identity	Tax Code	Tax Calculation Structure	Multiple Tax Lines	Tax (%)	Tax Method Tax Received	Part No/Charge Type	Gross Amount	Net Amount	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Non-deductible Tax Amount
1					No			AFRMM	40.00	40.00	0.00	0.00	0.00	0.00
2					No			DEMURRAGE	40.00	40.00	0.00	0.00	0.00	0.00
3					No			WHARFAGE	40.00	40.00	0.00	0.00	0.00	0.00
4					No			INTERNATIONAL EXPEN...	40.00	40.00	0.00	0.00	0.00	0.00
5					No			INTERNATIONAL FREIGHT	40.00	40.00	0.00	0.00	0.00	0.00
6					No			INTERNATIONAL INSUR...	40.00	40.00	0.00	0.00	0.00	0.00
7					No			SISCOMEX	40.00	40.00	0.00	0.00	0.00	0.00

Once done, the Manual Supplier Invoice can be created for charges and the IFS Standard core process can be used to Post the Invoice.

Manual Supplier Invoice SI - 001-91001460 1 of 1

Posted

New Manual Supplier Invoice More Information Pre Posting Installment Plan And Discounts View Vouchers Purchasing

PO Reference: 91001460 Receipt Reference: Sub Contract Reference: Invoice Advice Referen... Project ID: Supplier: PUGULK BROKER SUPP - Pugulk Broker S...

Invoice Type: SUPPINV Series ID: SI Invoice No: 001-91001460 Currency: BRL Currency Rate: 1 Invoice Date: 2/29/2024 Arrival Date: 2/29/2024

Pay Term Base Date: 2/29/2024 Payment Terms: 0 - Due Immediately Due Date: 2/29/2024 Plan Pay Date: 2/29/2024 Payment Reference: Voucher Type Referen... Voucher No Reference: 2024000015

Authorizer ID: * Notes: No Advance Invoice: No Period Allocation: No Pre-posting: No Received Attachments: No On Hold Installment: No Posting Proposal: No

Utility Bills: No Gross Amount: 280.00 Net Amount: 280.00 Tax Amount: 0.00

Line Information

Gross Amount	Net Amount	Tax Amount	Non-deductible Tax A...	Cost Amount
280.00	280.00	0.00	0.00	280.00

29.10 Incoming Nota Fiscal – Cancelled

The general rule stated by Brazilian government says that companies are allowed to Cancel Authorized Nota Fiscals up until 24 hours from the issue date and time. There are some scenarios that still allow cancellation even after 24 hours (can be connected to penalty fee or audit).

The **Send Cancel Request** command will send the request to cancel the referenced Nota Fiscal number.

Incoming Nota Fiscal and Bill of Lading - 010000080132

Search (10) Advanced

Document Id Document Series Document Type Status More Favorites Search

1 of 10

Send Cancel Request Create Supplier Invoices Correction Letter

Document Type
Import Nota Fiscal

Sender		Receiver
Supplier BR FOREIGN SUPP - NF-E EMITIDA EM AMBIENTE DE HOMOLOGACAO - SEM VALOR...		Company STDBRAZIL - STDBRAZIL - PLEASE DON'T CHANGE THE SETUP IN THIS C

Site SP01	Dispatch Advice 200 - 2119	PO Reference P100476
Issue Date 06/01/2025	Document Series 010	Fiscal Document Model 55
Object Type Manual Supplier Invoice	Object Reference	Object Reference Status
Currency Rate 5		

Once the Incoming Nota Fiscal cancellation request gets accepted by the Brazilian Tax Authority, cancelled response message will be received, and the Incoming Nota Fiscal will be set to the "Cancelled" state. Refer the appendix for more details on the request JSON file sent to AVALARA.

Incoming Nota Fiscal - 009000002019

Cancelled

Document Type
Import Nota Fiscal

Sender		Receiver	
Supplier PUGULK FOREIGN SUPP - PUGULK FOREIGN SUPPLIER		Company PUGULK BRAZIL 1 - PUGULK BRAZIL 1	

Fiscal Document Model 55	Document No 000002019	Entry Date 2/29/2024	Object Type Manual Supplier Invoice
Object Reference	Object Reference Status	Transaction Currency Code USD	Currency Rate 4
Document Text			
Document Series 009	Business Transaction ID 502	Payment Terms 0 - Due Immediately	Site PBS 2
Dispatch Advice IDA-0229 - 6755	PO Reference 91001478	Currency Code BRL	

SEFAZ Status Code "101" indicates the response file is cancelled and this will be mentioned in the Response file received from AVALARA

LINES	ADDRESS	GENERAL	NF-E/CT-E INFORMATION
Nota Fiscal Response			
Issue Date	NF-e/CT-e Key	NF-e/CT-e Protocol No	NF-e/CT-e Approval Date
2/29/2024	35240204106230000190550090000020191000...	135240000903070	2/29/2024
NF-e/CT-e Status Code	Return Message		
101	Cancelamento de NF-e homologado		

Refer the Response file details received from AVALARA below.

```

"key": "35240204106230000190550090000020191000000005",
"subscriptionId": "0aa49b97-6be1-46b4-b271-f4efaa221f60",
"status": {
  "code": "101",
  "desc": "Cancelamento de NF-e homologado",
  "protocol": "135240000903070",
  "accessKey": "35240204106230000190550090000020191000000005",
  "authorizationDateTime": "2024-02-29T07:21:57-03:00"
}

```

The handling of Supplier Invoices will not be applicable as the Cancellation Request process happens prior to the "Create Supplier Invoices". Therefore, no manual supplier Invoices will be created for the Cancelled NF.

29.11 Incoming Nota Fiscal – Error Response

Once the request file sent by the Brazilian Company is found with any errors, AVALARA will send an error response to the request. When the return message from the Tax Authority is "Error" the command **Send Void Request** will be available in the **Incoming Nota Fiscal** page.

Incoming Nota Fiscal - 009000002014				Error
Document Type Import Nota Fiscal				
Sender Supplier PUGULK FOREIGN SUPP - PUGULK FOREIGN SUPPLIER		Receiver Company PUGULK BRAZIL 1 - PUGULK BRAZIL 1		
Fiscal Document Model	Document No	Entry Date	Object Type	
55	000002014	2/27/2024	Manual Supplier Invoice	
Object Reference	Object Reference Status	Transaction Currency Code	Currency Rate	
		USD	4	
Document Text				
Document Series	Business Transaction ID	Payment Terms	Site	
009	502	0 - Due Immediately	PBS 2	
Dispatch Advice	PO Reference	Currency Code		
IDA-0227 - 6446	91001449	BRL		

SEFAZ Status Code “225” indicates the response file has an error and this will be mentioned in the Response file received from AVALARA. Status code “225” is one of examples for Error responses that can be received.

LINES	ADDRESS	GENERAL	NF-E/CT-E INFORMATION
Nota Fiscal Response			
Issue Date	NF-e/CT-e Key	NF-e/CT-e Protocol No	NF-e/CT-e Approval Date
2/27/2024	35240204106230000190550090000020141000...		
NF-e/CT-e Status Code	Return Message		
225	Seu documento foi rejeitado pela SEFAZ pelo seguinte motivo:Falha nos dados do campo Env...		

The company can fix the issue found in such Nota Fiscal and request authorization again.

If the error cannot be rectified the Nota Fiscal must be **Voided**. A void request must be sent and approved by the Tax Authority.

After receiving a void request approval from the tax authority, the NF-e status code will be updated to “Voided” state.

Incoming Nota Fiscal - 009000002014 Voided

Document Type: Import Nota Fiscal

Sender	Receiver
Supplier: PUGULK FOREIGN SUPP - PUGULK FOREIGN SUPPLIER	Company: PUGULK BRAZIL 1 - PUGULK BRAZIL 1

Fiscal Document Model	Document No	Entry Date	Object Type
55	000002014	2/27/2024	Manual Supplier Invoice
Object Reference	Object Reference Status	Transaction Currency Code	Currency Rate
		USD	4

Document Text:

Document Series	Business Transaction ID	Payment Terms	Site
009	502	0 - Due Immediately	PBS 2
Dispatch Advice	PO Reference	Currency Code	
IDA-0227 - 6446	91001449	BRL	

Status Code “102” indicates the response file is voided and this will be mentioned in the Response file received from AVALARA.

LINES	ADDRESS	GENERAL	NF-E/CT-E INFORMATION
✎ 🗑			
Nota Fiscal Response			
Issue Date	NF-e/CT-e Key	NF-e/CT-e Protocol No	NF-e/CT-e Approval Date
2/27/2024 📅	3524020410623000019055009000020141000...	135240000903217	2/29/2024 📅
NF-e/CT-e Status Code	Return Message		
102	📄 Inutilização de número homologado		

30 Incoming Nota Fiscal for Services

30.1 Overview Legal Requirement

In Brazil, it's a legal requirement to issue a Nota Fiscal to register a transfer of ownership or possession of a good or a commercial activity provided by a company to an individual or another company that is doing business in Brazil. The Nota Fiscal must be authorized by the Brazilian Tax Authority by the service provider, and the authorized Nota Fiscal will be issued to the recipient company.

In situations where the Nota Fiscal records monetary value transfer between the parties, the Nota Fiscal is also intended for the collection of taxes and non-use features tax evasion.

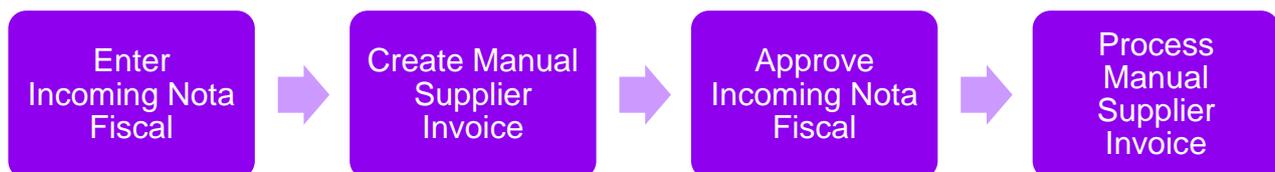
30.2 Business Objectives

The primary business objective here is to enable a new Incoming Nota Fiscal type for Services in the **Incoming Nota Fiscal** page to support for services related business activities in Brazil.

This also seeks to support for the Tax handling in Incoming Nota Fiscal for Services, specifically in relation with Tax Withholding.

30.3 Process Overview

In IFS Cloud, Service Incoming Nota Fiscal could be entered manually by using the **Incoming Nota Fiscal** Page. User can enter an Incoming Nota Fiscal based on the DANFe document received from the supplier.



Note: Receiving the Incoming Nota Fiscal Automatically (NF-e), using the External Supplier Invoice Flow is not supported for the Incoming NF for Services flow. Each city in Brazil has the freedom to develop its own layouts for the files. Since Brazil has over 5000 cities and there is no standardized, unified layout that can be applied to facilitate the automatic upload process, in this solution, only the *manual entry of Service NF* is supported.

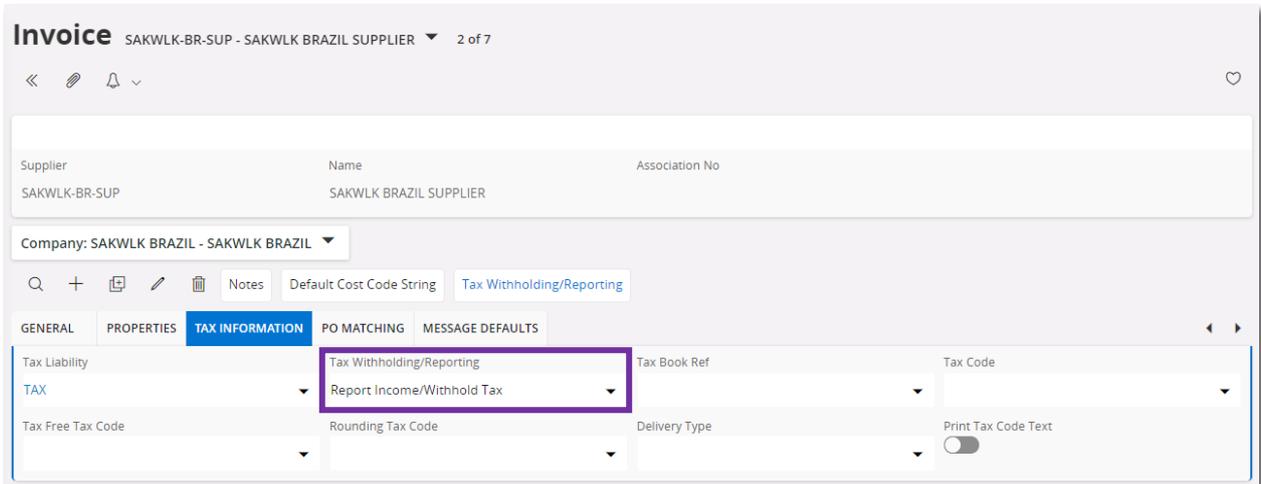
30.4 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter and the "Incoming Nota Fiscal" parameter must be enabled.

The supplier must be enabled for Tax Withholding in *Application Base Setup/Enterprise/Supplier/Invoice/Tax Information* tab.

30.5 Define Basic Data

The supplier must be enabled for Tax Withholding in *Application Base Setup/Enterprise/Supplier/Invoice/Tax Information/ Tax withholding Reporting* tab.



Invoice SAKWLK-BR-SUP - SAKWLK BRAZIL SUPPLIER 2 of 7

Supplier: SAKWLK-BR-SUP | Name: SAKWLK BRAZIL SUPPLIER | Association No:

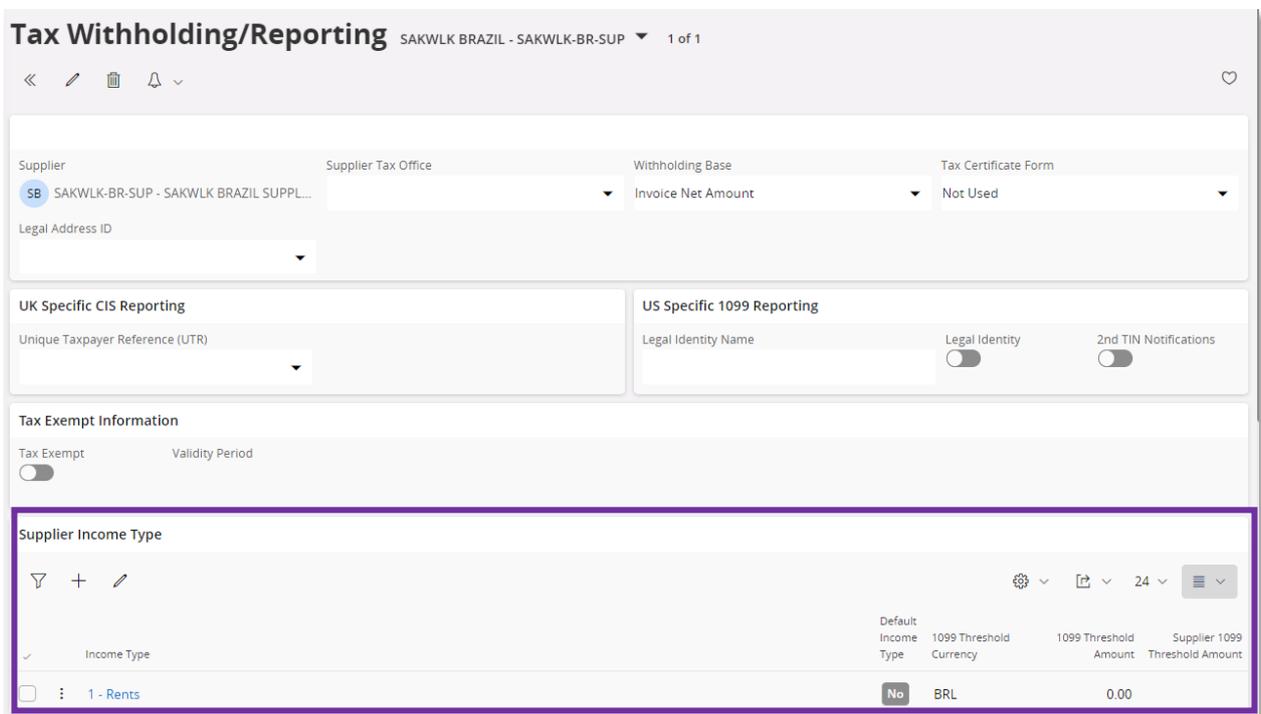
Company: SAKWLK BRAZIL - SAKWLK BRAZIL

Buttons: Notes, Default Cost Code String, Tax Withholding/Reporting

Tabs: GENERAL, PROPERTIES, **TAX INFORMATION**, PO MATCHING, MESSAGE DEFAULTS

Tax Liability: TAX | Tax Withholding/Reporting: Report Income/Withhold Tax | Tax Book Ref: | Tax Code: | Tax Free Tax Code: | Rounding Tax Code: | Delivery Type: | Print Tax Code Text:

Define a default income type for Tax Withholding from the **Tax Withholding/Reporting** command in the header.



Tax Withholding/Reporting SAKWLK BRAZIL - SAKWLK-BR-SUP 1 of 1

Supplier: SB SAKWLK-BR-SUP - SAKWLK BRAZIL SUPPL... | Supplier Tax Office: | Withholding Base: Invoice Net Amount | Tax Certificate Form: Not Used

Legal Address ID: | UK Specific CIS Reporting: Unique Taxpayer Reference (UTR): | US Specific 1099 Reporting: Legal Identity Name: | Legal Identity: | 2nd TIN Notifications:

Tax Exempt Information: Tax Exempt: | Validity Period: | Supplier Income Type:

Income Type	Default Income Type	1099 Threshold Currency	1099 Threshold Amount	Supplier 1099 Threshold Amount
1 - Rents	No	BRL	0.00	

Define Tax Codes related to Brazilian specific Tax Withholding, tax type categories in **Accounting Rules/ Tax/ Tax Codes** page.

✓	Tax Code	Description	Tax Type	Tax (%)	Deductible (%)	Valid From	Valid To	Tax Method Tax Received	Tax Method Tax Disbursed	Tax Amount at Invoice Printout	Tax Amount Limit in Accounting Currency	Tax Reporting Category	Tax Type Category
<input type="checkbox"/>	COFINS/RF 10	COFINS/RF 10%	Tax Withhold	10	100	9/1/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	COFINS/RF
<input type="checkbox"/>	CSLL/RF 10	CSLL/RF 10%	Tax Withhold	10	100	9/1/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	CSLL/RF
<input type="checkbox"/>	ICMS/RF 5	ICMS/RF 5%	Tax Withhold	5	100	9/1/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	ICMS/RF
<input type="checkbox"/>	INSS/AR 15	INSS/AR 15%	Tax Withhold	15	100	9/1/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	INSS/AR
<input type="checkbox"/>	INSS/RF 12	INSS/RF 12%	Tax Withhold	12	100	10/1/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	INSS/RF
<input type="checkbox"/>	IRRF 10	IRRF 10%	Tax Withhold	10	100	9/1/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	IRRF
<input type="checkbox"/>	ISS/RF 7	ISS/RF 7%	Tax Withhold	7	100	9/1/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	ISS/RF
<input type="checkbox"/>	PIS/RF 3%	PIS/RF 3%	Tax Withhold	3	100	9/1/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	PIS/RF
<input type="checkbox"/>	W10	WHT 10%	Tax Withhold	10	100	11/23/2017	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	None
<input type="checkbox"/>	WHT12	WHT 12%	Tax Withhold	12	100	12/15/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	None
<input type="checkbox"/>	WHT15	WHT 15%	Tax Withhold	15	100	12/15/2023	12/31/2049	Invoice Entry	Invoice Entry	Separate from Price		None	None

30.6 Enter Incoming Nota Fiscal Manually – Using Incoming Nota Fiscal and Bill of Lading Page

Create Incoming Nota Fiscal manually using **Financials/Financial e-Reporting/Incoming Nota Fiscal** page. Select the Document Type as Services Nota Fiscal from the list. For this purpose, you can use Services NF document as the reference. Complete the Incoming NF header level information and save the header.

Incoming Nota Fiscal - ▾

«
Save
Cancel New

Document Type

Document Type

Services Nota Fiscal

- Nota Fiscal
- Bill of Lading
- Customer Return Nota Fiscal
- Import Nota Fiscal
- Services Nota Fiscal

Receiver

Company

SAKWLK BRAZIL - SAKWLK BRAZIL

Fiscal Document Model

[Blank]

Document No

[Blank]

Invoice Date

12/20/2023

Object Type

Manual Supplier Invoice

Object Reference

[Blank]

Object Reference Status

[Blank]

Currency Rate

1

Document Text

Business Transaction ID

[Blank]

Payment Terms

[Blank]

Site

[Blank]

PO Reference

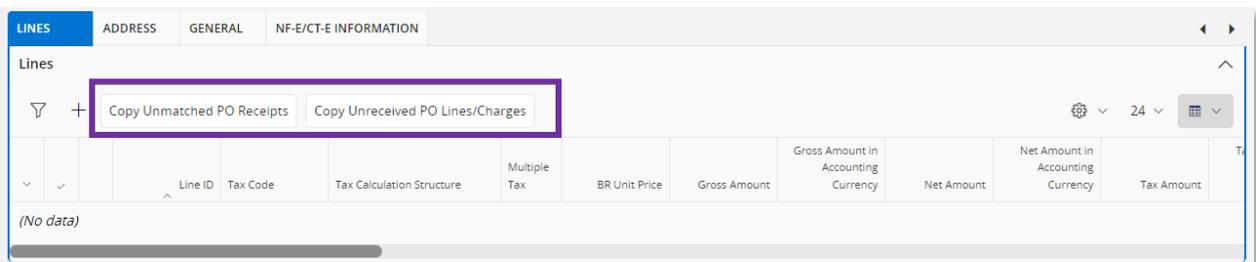
[Blank]

Currency Code

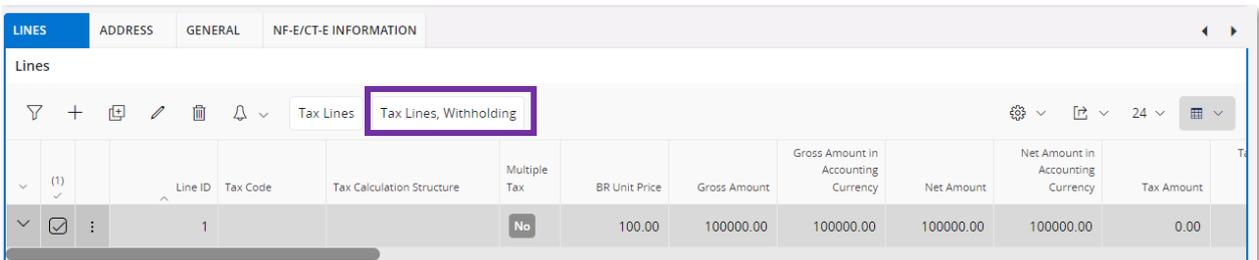
*Note: If there are connected POs make sure that the relevant Purchase Order number (or numbers) is entered in the field **PO Reference** in Incoming Nota Fiscal.*

Enter the Incoming Nota Fiscal lines information referring the Services NF Received and save the lines.

Note: If there is a connected PO reference in the NF header, the core application functionalities “Copy Unmatched PO receipts” and “Copy Unreceived PO Lines” can be used to create non-Inventory related Incoming Nota Fiscal lines.



Once the lines are saved, the newly introduced **Tax Lines, Withholding** command will be enabled.



Enter the Tax Withholding Information by referring the Service NF document and save the line information.

✕ Tax Lines, Withholding

Tax Lines Withholding Group

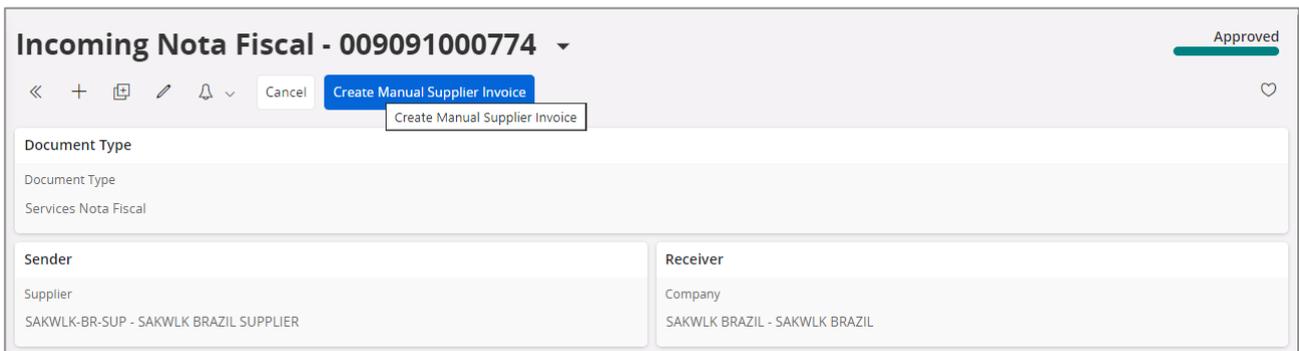
Fiscal Note Series 009	Fiscal Note No 091000774	Supplier SAKWLK-BR-SUP - SAKWLK BRAZIL SUPPLIER	Withholding Base Invoice Net Amount
Tax Curr Rate 1	Gross Amount 10000.00	Net Amount 10000.00	

Line Details

	Tax Code	Tax Type	Withholding Base Amount	Tax %	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency	Use Withholding Amount Table	Report Code	State
<input type="checkbox"/>	IRRF 10	Tax Withhold	10000.00	10	1000.00	1000.00	1000.00	No		

Note: The default Tax Withholding Codes given for the supplier in Supplier/Invoice/Tax Information/ Tax withholding Reporting/ Default Tax Withholding Codes will not be copied to the “Tax Lines, Withholding” dialog. The user needs to manually enter the Tax Withholding Codes for each Nota Fiscal item.

Once done, Approve the Incoming NF and create Manual Supplier Invoice by using the command **Create Manual Supplier Invoice**.



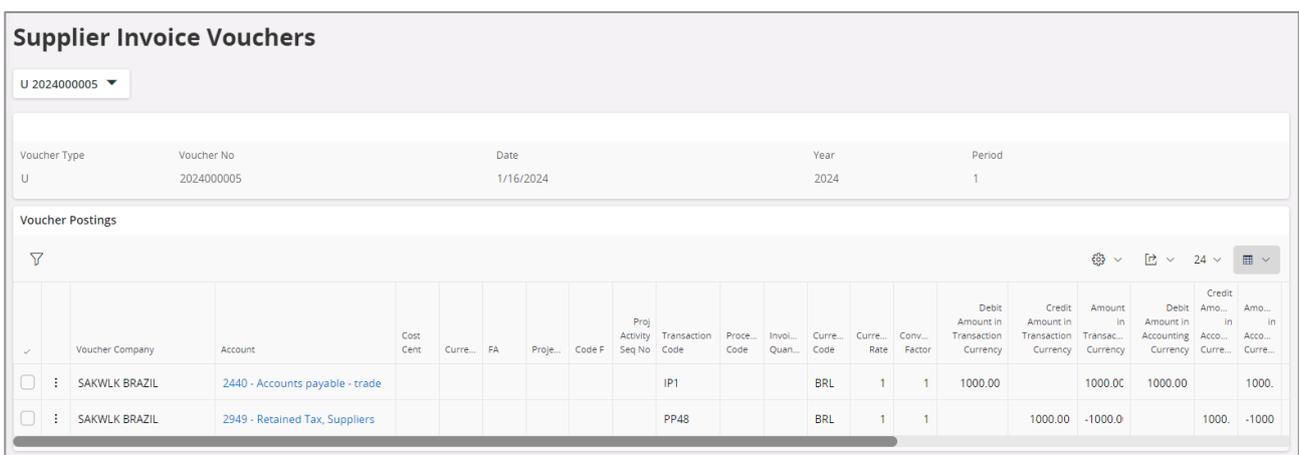
30.7 Post Invoice

Follow the IFS standard process to post the Supplier invoice.

30.8 Invoice Postings

A “U Voucher” in addition to the “I Voucher” will be created to record the Tax Withholding postings in Supplier Invoice.

Note: This is the IFS standard core process to post the Tax Withholding in Supplier invoice level.



Voucher Type	Voucher No	Date	Year	Period
U	2024000005	1/16/2024	2024	1

✓	Voucher Company	Account	Cost Cent	Curre...	FA	Proje...	Code F	Proj Activity Seq No	Transaction Code	Proce... Code	Invol... Quant...	Curre... Code	Curre... Rate	Conv... Factor	Debit Amount in Transaction Currency	Credit Amount in Transaction Currency	Amount in Transac... Currency	Debit Amount in Accounting Currency	Credit Amo... in Acco... Cur...	Amo... in Acco... Cur...
<input type="checkbox"/>	SAKWLK BRAZIL	2440 - Accounts payable - trade							IP1			BRL	1	1	1000.00		1000.00	1000.00		1000.
<input type="checkbox"/>	SAKWLK BRAZIL	2949 - Retained Tax, Suppliers							PP48			BRL	1	1		1000.00	-1000.00	1000.		-1000.

31 Support to Issue and Receive Manual Nota Fiscal

31.1 Overview Legal Requirement

In Brazil the Nota Fiscal is a mandatory official document that must be issued to prove the existence of a commercial act, e.g., sale of goods. It's a tax document that registers transfer of ownership or possession of a good or commercial activity provided by a company to an individual or another company that is doing business in Brazil.

The NF-e is the Nota Fiscal issued online, which allows real time reporting of transactions to the *Secretaria da Fazenda* (SEFAZ), which is the state government responsible for taxation and revenue.

There are some business scenarios that aren't related to sales and procurement flows. Therefore, the normal customer/supplier invoices are not required in all the Nota Fiscal types listed above, since these are about non-billable transactions on both incoming/outgoing sides. For the below mentioned NF scenarios, the inventory must be issued/received, and BR Taxes needed to be calculated.

Scenario	Description	IFS Application Used by	Outgoing Nota Fiscal Creation	Incoming Nota Fiscal Creation	Category
Warranty	The Company (The Customer) will send the Inventory Part (Warranty Part) to the Supplier	Customer	Customer	-	Outbound
	Customer Receives the warranty claimed part from the Supplier.	Customer	-	Customer	Inbound
	Supplier Receives the Warranty claimable inventory Part from the Customer	Supplier	-	Supplier	Inbound
	Supplier provides the warranty facility and sends the warranty claimed part back to the Customer	Supplier	Supplier	-	Outbound

Scenario	Description	IFS Application Used by	Outgoing Nota Fiscal Creation	Incoming Nota Fiscal Creation	Category
Repair & Maintenance	The Company (The Customer) will send the Inventory Part to the Supplier	Customer	Customer	-	Outbound
	Customer Receives the repaired part from the Supplier.	Customer	-	Customer	Inbound

	Supplier Receives the inventory Part to be repaired from the Customer	Supplier	-	Supplier	Inbound
	Supplier does the repair and maintenance and sends the part back to the Customer	Supplier	Supplier	-	Outbound

Scenario	Description	IFS Application Used by	Outgoing Nota Fiscal Creation	Incoming Nota Fiscal Creation	Category
Gifts	Supplier sends gifts to the Customer	Supplier	Supplier	-	Outbound
	Customer receives the gifts from the Supplier	Customer	-	Customer	Inbound

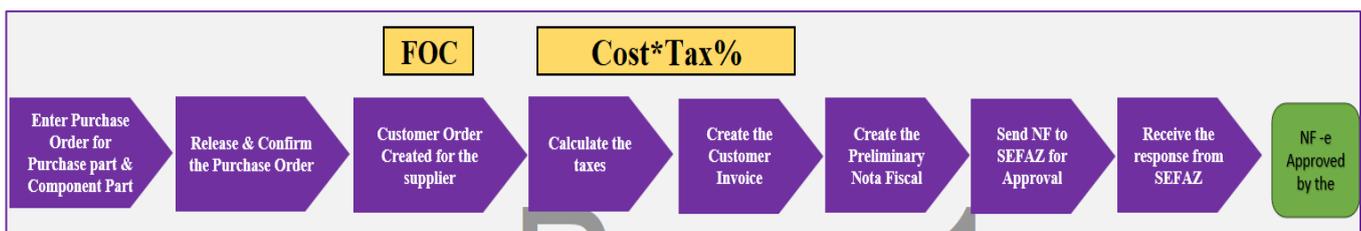
31.2 Other Business Objectives

- Following Business Scenarios will be handled using BR –147.
 - ❖ Issuing and receiving goods to claim warranty
 - ❖ Issuing and receiving goods for repair and maintenance
 - ❖ Issuing and receiving goods as gifts
- Enabling the Creation of Tax Only Invoices using the Core FOC functionality and handling the related postings

31.3 Process Overview

Scenario 01: The Company (The Company Uses the IFS ERP) will send the Inventory Part (Warranty Part / Maintenance Part) to the Supplier and supplier will do the repair and maintenance and then sends the Warranty part back to the Customer.

Sending the Inventory Part to the Supplier – (Recipient Supplier and the Issuer is the Customer)



The flow is as follows.

- ❖ Calculate the PO taxes.
- ❖ Create a Component Customer Order.
- ❖ Calculate the Component Customer Order taxes using AVALARA.
- ❖ Release the Purchase Order
- ❖ Component Customer Order will automatically come to the Invoiced/Closed level.
- ❖ Create the Outgoing Nota Fiscal
- ❖ Send the Outgoing Nota Fiscal
- ❖ Approve the Outgoing Nota Fiscal
- ❖ Create Tax Only Invoices
- ❖ Post the Tax Only Invoices

The Core **Component Customer Order functionality** will be used to send the Inventory part to the Supplier. The flow starts by creating a Purchase Order and entering the line details of the receiving inventory part from the Supplier after the repair/maintenance/warranty process. The user needs to define a Component part and connect that part to a Component Customer Order. An identical Customer related to the Supplier should be connected as a prerequisite to this flow.

The issuer has to pay the taxes in these types of NF scenarios and the sending party should be connected as the tax payer in the *Company Basic Data >> Tax Control >> Supply Chain >> Tax Payer for free of Charge >> Company*. The Core FOC functionality will be used to create the tax only invoices. The Component part should be selected as a **“Charge Item”** and upon releasing the Component Customer Order, Inventory transactions will be updated.

Inventory Transaction History

Search *Advanced*

Transaction ID Site Order Ref 1: V11268 More Favorites Search Clear Saved Searches

Sort by

265309

Transaction Code: OESHIP
Part no: PUGULKPART02
Site: PBS 2
Created: 8/23/2024
Creation Time: 1:45 AM
Configuration ID: *

Transaction ID	Transaction Code	
265309	OESHIP - Ship Inventory Parts	
Part		
PUGULKPART02 - PUGULKPART02		
Site	Configuration ID	
PBS 2 - PBS 2	*	
Created	Creation Time	Created By
8/23/2024	1:45 AM	PUGULK

GENERAL ACCOUNTING COST DETAIL

Posting Type	Posting Type Description	Debit Amount	Credit Amount	Debit Curr Amount	Credit Curr Amount	Currency Code	Currency Rat
M1	Inventory		80.00		80.00	BRL	
M24	Cost of Goods Sold, Sales	80.00		80.00		BRL	

Automatically the AVALARA taxes will be calculated for the Component Customer Order lines and the Customer Invoice will be created indicating the **“Company Bearing Tax Amount”**.

V11268 1 of 1 Invoiced/Closed

Share Operations Invoice RMA Related Pages Copy Order Order History

Order No	Customer	Site	Order Type	Wanted Delivery Date/Ti...
V11268	PB PUGULK BRA SUP-CUS - Pugulk Brazil Identical...	PBS 2	PUG	8/26/24, 12:00 AM UTC-3

Order Amounts

Total Net Amount/Base	Total Contribution Margi...	Contribution Margin(%)	Total Net Amount/Curr	Total Tax Amount/Curr	Total Gross Amount/Curr
0.00 BRL	-80.00 BRL	0.00	0.00 BRL	0.00 BRL	0.00 BRL

LINES RENTAL LINES ORDER DETAILS CHARGES INVOLVED PARTIES

Business Transaction ID	Sales Qty	Free of Charge	Tax Amount/Base	Price incl Tax/Base	Company Bearing Cost	Company Bearing Tax Amount/Base	Tax Basis for FOC/Curr	Line No
M1 - Venda de Mercad...	1	Yes	0.00	0.00	80.00	27.50	80.00	1

Attachments

<< PUGULK BRA SUP-CUS - Pugulk Brazil Identical Customer connected to the Supplier - 221476 - CUSTORDDEB - V11268 - Preliminary >>

1 of 1

Share Cancel Invoice Posting Installation Plan and Discounts Notes

Customer No	Customer Address Name	Series ID	Invoice No	Official Document No
PB PUGULK BRA SUP...	Pugulk Brazil Identical C...	PR	221476	

Company	Site	Invoice Created	Order Created
PUGULK BRAZIL 1 - PU...	PBS 2	8/23/2024	8/23/2024

Amounts

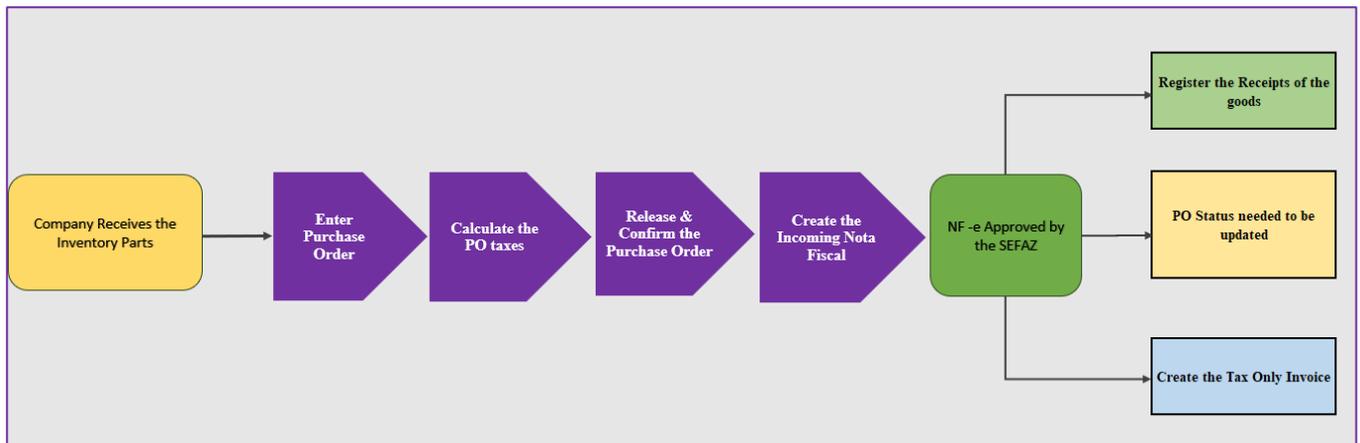
Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate
BRL	0.00	0.00	0.00	1	1

LINES GENERAL NF-E INFORMATION HISTORY

Free of Charge	Tax Basis for FOC/Curr	Company Bearing Tax Amount/Base	Pos	Invoice Item	Description
Yes	80.00	27.50	1	PUGULKPART02	PUGULKPART02

The Outgoing Nota Fiscal needed to be created and upon the approval of the Outgoing Nota Fiscal, the Company bearing taxes postings will be created as per the Core FOC functionality.

Receiving the Inventory Part back from the Supplier (Recipient Customer and the Issuer is the Supplier)



The flow is as follows.

Create a Purchase Order

Calculate the PO taxes using AVALARA.

Release the Purchase Order

Register the receipt of the goods

Create the Incoming Nota Fiscal

Approve the Incoming Nota Fiscal.

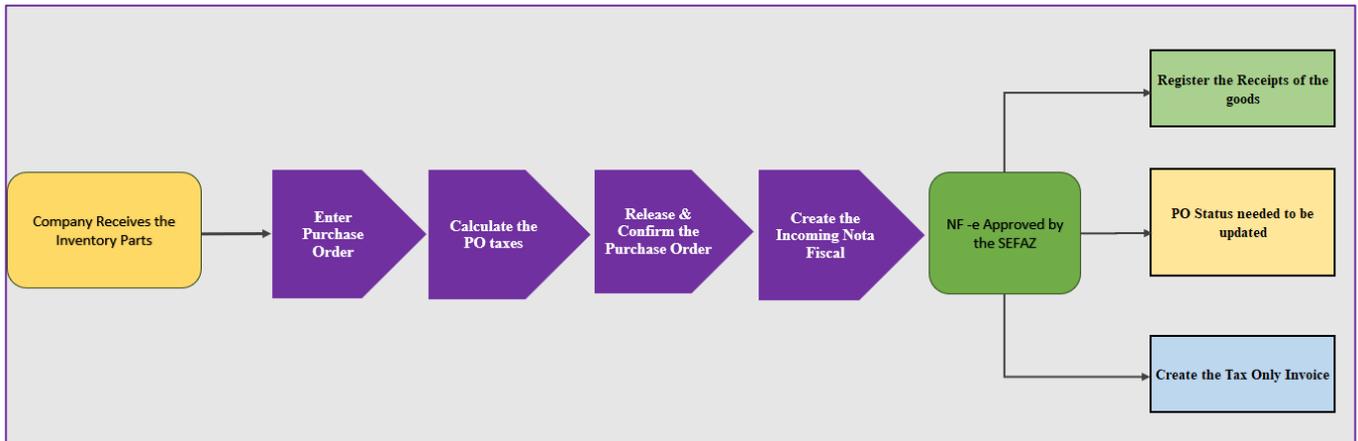
Create the Tax only Invoices

Post the Tax Invoices.

The normal Brazilian Incoming Nota Fiscal flow will be used to record the Incoming NF transactions. Upon approving the Incoming Nota Fiscal following Tax posting will be created. After registering the receipt of the Inventory items, the inventory transactions will be automatically updated.

Scenario 02: The Company (The Company Uses the IFS ERP) will receive the Inventory Part to be repaired/ warranty claimable (Warranty Part / Maintenance Part) from the Customer and supplier will do the repairs & maintenance and then sends the Warranty part back to the Customer.
Receiving the Inventory Part from the Customer (Issuer is the Customer and the Recipient is the Supplier)

The flow is as follows.



Create a Purchase Order (*Goods are received from the Customer, therefore, the user should create an identical supplier for the Customer*)

Calculate the PO taxes using AVALARA.

Release the Purchase Order

Register the receipt of the goods

Create the Incoming Nota Fiscal

Approve the Incoming Nota Fiscal.

Create the Tax only Invoices

Post the Tax Invoices.

The normal Brazilian Incoming Nota Fiscal flow will be used to record the Incoming NF transactions. Upon approving the Incoming Nota Fiscal following Tax posting will be created. After registering the receipt of the Inventory items, the inventory transactions will be automatically updated. Normal Procurement related Supplier invoices needn't be created in these NF types and the tax only invoice will be generated. In order to create the tax only Invoices the user needs to enable the creation of Tax Only Invoice in the *Business Transaction Code page >> Business Transaction ID >> Tax Only Invoice*.

Sending the Inventory Part to the Customer– (Recipient Customer and the Issuer is the Supplier)



The Flow is as follows.

Create a Customer Order and Calculate the AVALARA taxes.

Release the Customer Order

Create the Customer Invoice

Create the Outgoing Nota Fiscal

Send NF to SEFAZ for approval
Create the Invoices and Post the invoices

31.4 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Outgoing Nota Fiscals” parameter must be enabled.

Note that also parameters “Acquisition Origin”, “Business Operation”, “Address Specific Tax ID Numbers”, “Goods/Services Statistical Codes”, “Extended Tax Codes Tax Calculation Structures set-up”, “Use Automatic Generation of Official Invoice Numbers” and “Cancel PostedAuth Customer Order Invoices” must be enabled to fulfill data requirements for the NF-e XML file. Please see the specific chapters on how to set up the data needed.

31.5 Define Basic Data

Tax Payer needed to be the Issuer and should select the Company as the Tax Payer - **Company >>Tax Control >> Supply Chain >> Tax Payer for free of Charge >> Company**

Tax Control

Sort by ▾

« PUGULK BRAZIL 1 - PUGULK BRAZIL 1 ▾ 1 of 1

PUGULK BRAZIL 1
Name: PUGULK BRAZIL 1

Company Name Association No Created By
PUGULK BRAZIL 1 PUGULK BRAZIL 1 PUGULK

GENERAL

INVOICE

SUPPLY CHAIN

EXTERNAL TAX SYSTEM

General

Tax Code
1 - Tax with no reduction 25%

Tax Free Tax Code
0 - Tax 0%

Modify Tax % on Tra...

Create Tax Document

Sales

Taxable

Use Price Incl Tax

Tax Payer for Free of Charge *
Company ▾

Threshold Amount for Free of Charge *
0.00

FOC Tax Basis Source *
Part Cost

Taxes needed to be calculated based on the Cost of the Part in **Company >>Tax Control >> Supply Chain >> FOC Tax Basis Source >> Part Cost**

Tax Control

Sort by ▾

« PUGULK BRAZIL 1 - PUGULK BRAZIL 1 ▾ 1 of 1

PUGULK BRAZIL 1
Name: PUGULK BRAZIL 1

Address
Communication Method
Message Setup
Employees
Accounting Rules
Tax Control ▾
Invoice
Payment
Fixed Assets
Periodical Cost Allocation
Supply Chain Information
Localization Control Center
Show less

Company	Name	Association No	Created By
PUGULK BRAZIL 1	PUGULK BRAZIL 1		PUGULK

GENERAL INVOICE **SUPPLY CHAIN** EXTERNAL TAX SYSTEM

General

Tax Code: 1 - Tax with no reduction 25%
Tax Free Tax Code: 0 - Tax 0%
Modify Tax % on Tra...:
Create Tax Document:

Sales

Taxable:
 Use Price Incl Tax:
 Tax Payer for Free of Charge *: Company ▾
 Threshold Amount for Free of Charge *: 0.00
 FOC Tax Basis Source *: Part Cost

Customer needed to be enabled with a Business Transaction ID in the **Customer Basic Data Setup >> Delivery Tax Information >> Business Transaction ID**

« PUGULK BRA SUP-CUS - Pugulk Brazil Identical Customer connected to the Supplier ▾ 1 of 4

PUGULK BRA SUP-CUS Name: Pugulk Brazil Identical Customer connected t... Association No

Address ID: NO 02 ▾

Customer's Own Address ID Customer Name End Customer Address Identity

GENERAL ADDRESS INFORMATION **DELIVERY TAX INFORMATION** DOCUMENT TAX INFORMATION SALES ADDRESS INFORMATION

Company: PUGULK BRAZIL 1 - PUGULK BRAZIL 1 ▾

IPD Tax Information

Tax Withholding *: Blocked ▾
 Tax Rounding Method *: Round to the Nearest ▾
 Tax Rounding Level *: Specified on company
 Business Transaction ID: 101 - Venda de Mercadoria - Somente IPI ▾

ICMS Tax Payer:

Supplier needed to be enabled with a Business Transaction ID in the **Supplier Basic Data Setup >> Delivery Tax Information >> Business Transaction ID**

<< PUGULK BRAZIL SUPP 1 - Pugulk Brazil Supp 1 2 of 5

Supplier: PUGULK BRAZIL SUPP 1 Name: Pugulk Brazil Supp 1 Association No:

Address ID: N0 02

Supplier's Own Address ID Supplier Name Supplier Branch

GENERAL ADDRESS INFORMATION **DELIVERY TAX INFORMATION** DOCUMENT TAX INFORMATION PURCHASE ADDRESS INFORMATION OUTBOUND ADDRESS INFORMATION

Company: PUGULK BRAZIL 1 - PUGULK BRAZIL 1

Tax Calculation Struc... Business Transaction ID: 500 - Domestic Purchases ICMS Tax Payer: Use Supplier Address for Tax:

Define and connect the **Component Part** for the inventory part that will be moved between the entities.

Components for Purchase Order Line

Sort by << 91000095 - 1 - 1 1 of 1 Released

91000095
 Line No: 1
 Release No: 1
 Released
 Site: PBS 2

Order No	Line No	Release No	Part No	Quantity
91000095	1	1	PUGULK PART 01 - PUGULK PART 01	1 *
Condition Code		Project ID		Activity Sequence

+ Save Cancel New 24

Line Item No	Sales Part No	Condition Code	Required Qty	Required Date	Charged Item	Qty Per Assembly	Supply Code
	PUGULKPART02		1	8/23/2024	Charged item	1	

Create and connect an identical Customer to the Supplier in the **Supplier Basic Data >> Purchase >> General >> Customer No**

Application Base Setup > Enterprise > Supplier > Supplier > Purchase

Purchase

Sort by ▾

« PUGULK BRAZIL SUPP 1 - Pugulk Brazil Supp 1 ▾ 1 of 1

Supplier for Part | Supply Chain Matrix for Supplier | Supplier Small Business Classifications | Document Text

Supplier	Name	Association No
PUGULK BRAZIL SUPP 1	Pugulk Brazil Supp 1	

GENERAL | PURCHASE | SUPPLIER HIERARCHIES | MESSAGE DEFAULTS | CHARGES | PURCHASE GROUPS | DELIVERY OVERHEADS

PUNCHOUT SETTINGS

Supplier Statistic Group *	Buyer *	Purchase Code
30 - Electronic ▾	NL NILEFR - Nicolas Leclercq ▾	
Currency *	Customer No	Customer Category
BRL - Brazilian Real ▾	PB PUGULK BRA SUP-CUS - Pugulk Brazil Ide... ▾	Customer
Our Customer No	Discount (%) *	Additional Cost *
	0	0.00
Expiration Date		

Connect an Order Type in the Identical **Customer Basic Data Set Up >> Sales >> Sales >> Order Type**

Application Base Setup > Enterprise > Supplier > Supplier > Purchase

Sales

Sort by ▾

« PUGULK BRA SUP-CUS - Pugulk Brazil Identical Customer connected to the Supplier ▾ 1 of 4

Document Text | Supply Chain Matrix for Customer

Customer	Name	Association No
PUGULK BRA SUP-CUS	Pugulk Brazil Identical Customer connected to the S...	

GENERAL | **SALES** | MESSAGE DEFAULTS | PRICELIST PER PRICE GROUP | COMMISSION RECEIVER | CHARGES | ASSORTMENTS | RENTAL

Document Text | Supply Chain Matrix for Customer

Order Type	Print
PUG - PUGULK BRAZILIAN ORDER ▾	Print Order Confirmation <input checked="" type="checkbox"/>

Enable the creation of Tax Only Invoice in the **Business Transaction Code** page >> **Business Transaction ID >> Tax Only Invoice**

> Application Base Setup > General Data > Business Transaction Code

Business Transaction Codes

+ [Translation](#)

<input checked="" type="checkbox"/>	Business Transaction ID	Description	Direction	Presence Type	Acquisition Reason ID	External Tax System Reference	Tax Only Invoice
<input type="checkbox"/>	100	Venda de Mercadoria	Outbound	Presence-Onsite	RS	StandardSales	No
<input type="checkbox"/>	101	Venda de Mercadoria - Somente IPI	Outbound	Presence-Onsite	RS	StandardSales	Yes
<input type="checkbox"/>	500	Domestic Purchases	Inbound	Phone		standardPurchase	Yes
<input type="checkbox"/>	502	Importation of Goods	Inbound	Presence-Onsite		standardPurchase	No

31.6 Delimitations

Tax Only Manual Supplier Invoice postings are enabled for Manual Incoming NF scenarios.

32 Support to Issue and Receive Complementary Nota Fiscal

32.1 Overview Legal Requirement

In Brazil the Nota Fiscal is a mandatory official document that must be issued to prove the existence of a commercial act, e.g., sale of goods. It's a tax document that registers transfer of ownership or possession of a good or commercial activity provided by a company to an individual or another company that is doing business in Brazil.

The NF-e is the Nota Fiscal issued online, which allows real time reporting of transactions to the Secretaria da Fazenda (SEFAZ), which is the state government responsible for taxation and revenue.

In cases where the tax amount or price stated in the Nota Fiscal is different than it should be, the Tax Authority allows the taxpayer to correct it by issuing a complementary Nota Fiscal. This new document refers to the previous one and includes the amount differences.

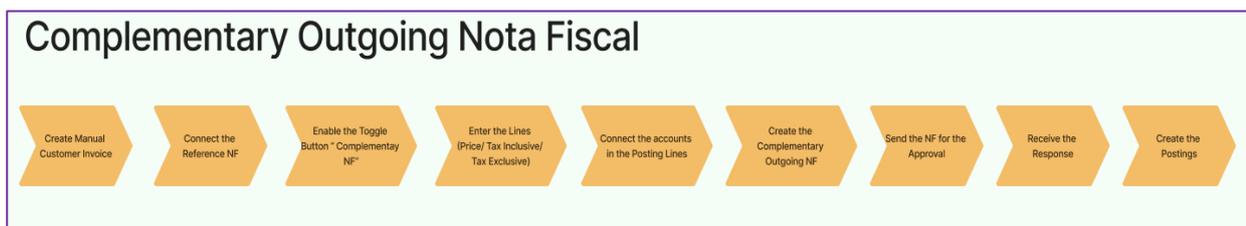
32.2

32.3 Other Business Objectives

Following business Scenarios will be handled using BR 146 – Complementary Nota Fiscal.

- Price Adjustment Scenarios
- Tax Inclusive and Exclusive Scenarios
- Enabling Outgoing Nota Fiscal handling in the New Manual Customer Invoice
- Handling No Tax Scenarios in both Incoming and Outgoing Nota Fiscals

32.4 Process Overview - Complementary Outgoing Nota Fiscal



Complement the Price, Inclusive and Exclusive taxes in the Outgoing Nota Fiscal

1. Go to the New Manual Customer Invoice and enable the Toggle Button "Complementary Nota Fiscal"

New Manual Customer Invoice

● Header Information
○ Line Information
○ Posting Information

Company *
 Voucher Date
 Accounting Year
 Accounting Period
 User Group
 Voucher Type *
 Voucher No

Complimentary Nota Fiscal
 Reference Nota Fiscal ID

Series
 Branch
 Fiscal Document Model
 Nota Fiscal Number

2. Connect the previous Nota Fiscal using Reference Nota Fiscal

New Manual Customer Invoice

● Header Information
○ Line Information
○ Posting Information

Company *
 Voucher Date
 Accounting Year
 Accounting Period
 User Group
 Voucher Type *
 Voucher No

Complimentary Nota Fiscal
 Reference Nota Fiscal ID

Series
 Branch
 Fiscal Document Model
 Nota Fiscal Number

3. Connect the Nota Fiscal Series
4. Fetch an Invoice number and proceed to the line level. (The ODN will automatically replace the Invoice number into the Complementary Outgoing NF)
5. Go to the Part Lines and fetch the Fiscal Nota Line ID reference, once the user fetch the Reference Nota Fiscal ID, it will automatically fetch the Part No and the Description

New Manual Customer Invoice

Header Information — **Line Information** — Posting Information

Invoice						
Company	Customer	Series ID	Invoice No	Gross Amount	Net Amount	Tax Amount
PUGULK BRAZIL 1	PUGULKBRAZILCUST	CI	454545	100.00	100.00	0.00

Line Information

☰ + ✎ 🗑️ Tax Lines ⚙️ 📄 24 📅

(1) ✓	Fiscal Note Reference	Line ID	Part No	Part Description	Tax Code	Multiple Tax Lines	Tax Percent	Gross Amount	Net Amount	Tax Amount	Tax Amount In Accounting Currency
<input checked="" type="checkbox"/>		1	PUGULKPART02	PUGULKPART02		No		100.00	100.00	0.00	0.00

⏪ Previous ⏩ Next Finish Cancel

Handle Price Adjustment in the line level, Tax Inclusive and Tax Exclusive scenarios in the Tax lines Dialog and Save the Line level. (For the Tax Inclusive Scenarios, the user needs to connect the No Tax line to make it a Gross Zero invoice line)

Financials > Customer Invoice > New Manual Customer Invoice

New Manual Customer Invoice

Header Information — **Line Information** — Posting Information

Invoice						
Company	Customer	Series ID	Invoice No	Gross Amount	Net Amount	Tax Amount
PUGULK BRAZIL 1	PUGULKBRAZILCUST	CI	45445	100.00	65.00	35.00

Line Information

☰ + ✎ 🗑️ Tax Lines ⚙️ 📄 24 📅

(1) ✓	Fiscal Note Reference	Line ID	Part No	Part Description	Tax Code	Multiple Tax Lines	Tax Percent	Gross Amount	Net Amount	Tax Amount	Tax Amount In Accounting Currency	Tax Amount in Parallel Currency	Withheld Amt
<input checked="" type="checkbox"/>					N	No	0	-35.00	-35.00	0.00	0.00	0.00	
<input type="checkbox"/>		1	PUGULKPART02	PUGULKPART02		Yes		135.00	100.00	35.00	35.00	70.00	

➤ A user can include only a No Tax Line to make it a gross zero invoice line for the inclusive taxes—ICMS, ICMS FCP, PIS, and COFINS.

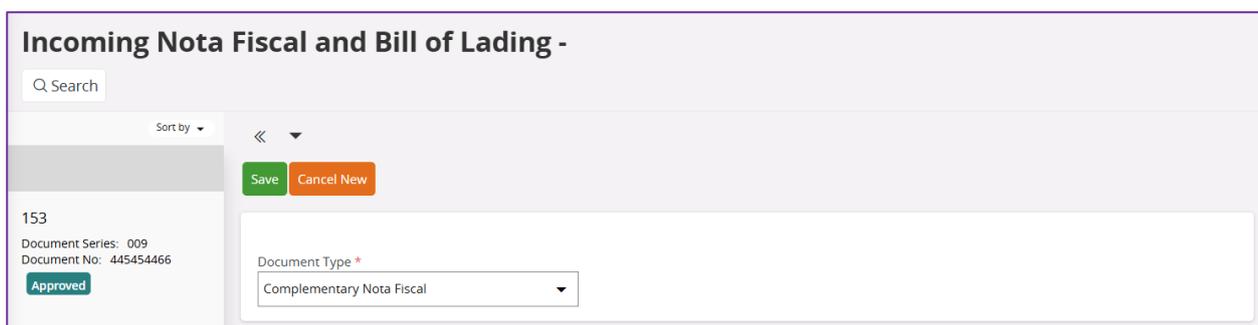
6. Manually handle the postings in the Manual Customer Invoice Setup
7. Create the Complementary Nota Fiscal
8. View and Send the Complementary Nota Fiscal
9. Approve the Complementary Nota Fiscal
10. Create the postings upon the Approval of the Nota Fiscal

32.5 Process Overview - Complementary Incoming Nota Fiscal



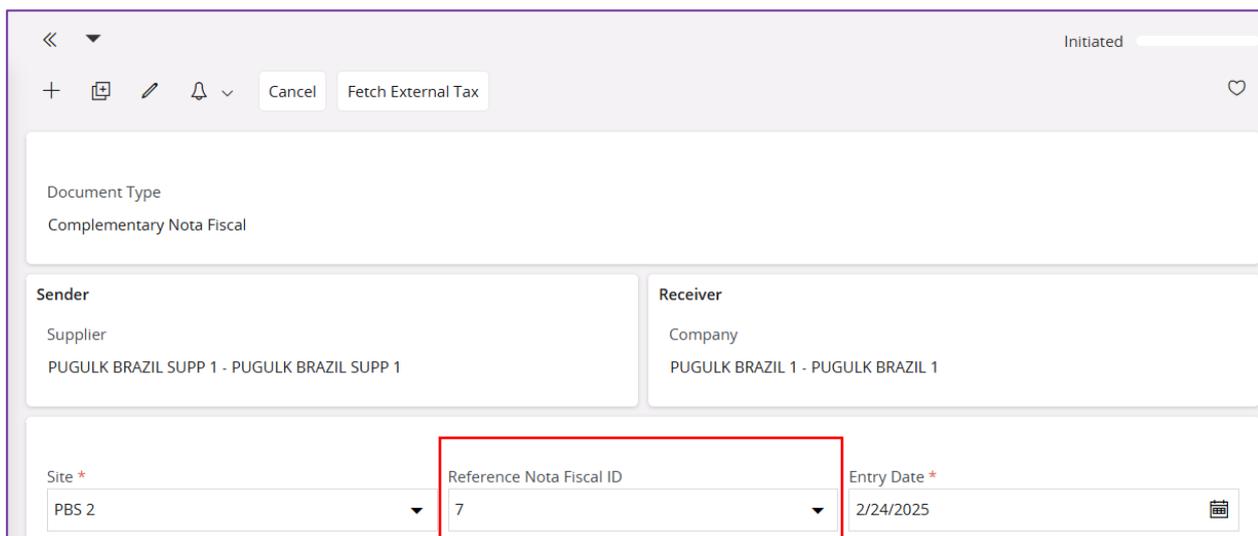
Complement the Price, Inclusive and Exclusive taxes in the Incoming Nota Fiscal

1. Go to the Incoming Nota Fiscal page and select the Document Type as “Complementary Nota Fiscal”



The screenshot shows the 'Incoming Nota Fiscal and Bill of Lading' page. It includes a search bar, a 'Sort by' dropdown, and a 'Document Type' dropdown menu set to 'Complementary Nota Fiscal'. There are 'Save' and 'Cancel New' buttons. The document details show 'Document Series: 009' and 'Document No: 445454466' with an 'Approved' status.

2. Connect the previous Nota Fiscal using **Reference Nota Fiscal**



The screenshot shows the 'Reference Nota Fiscal' dialog. It includes a 'Document Type' dropdown set to 'Complementary Nota Fiscal'. The 'Sender' field is 'Supplier: PUGULK BRAZIL SUPP 1 - PUGULK BRAZIL SUPP 1' and the 'Receiver' field is 'Company: PUGULK BRAZIL 1 - PUGULK BRAZIL 1'. The 'Site' dropdown is set to 'PBS 2', the 'Reference Nota Fiscal ID' dropdown is set to '7', and the 'Entry Date' is '2/24/2025'. A red box highlights the 'Reference Nota Fiscal ID' field.

3. Provide the Serie, Document Number and the Document Model
4. Connect the Site, Supplier and save the header level.
5. Handle Price Adjustment in the line level, Tax Inclusive and Tax Exclusive scenarios in the Tax lines Dialog and Save the Line level.

(For the Tax Inclusive scenarios, the No Tax Code will be automatically fetched from the defined No Tax Code from the basic data {Company >>Tax Control >> Nota Fiscal >> No Tax Code for Incoming Nota Fiscal} to make it a Gross Zero invoice line)

6. Approve the Incoming Nota Fiscal
7. Create the Manual Supplier Invoice
8. Manually handle the Postings
9. Post the Invoice

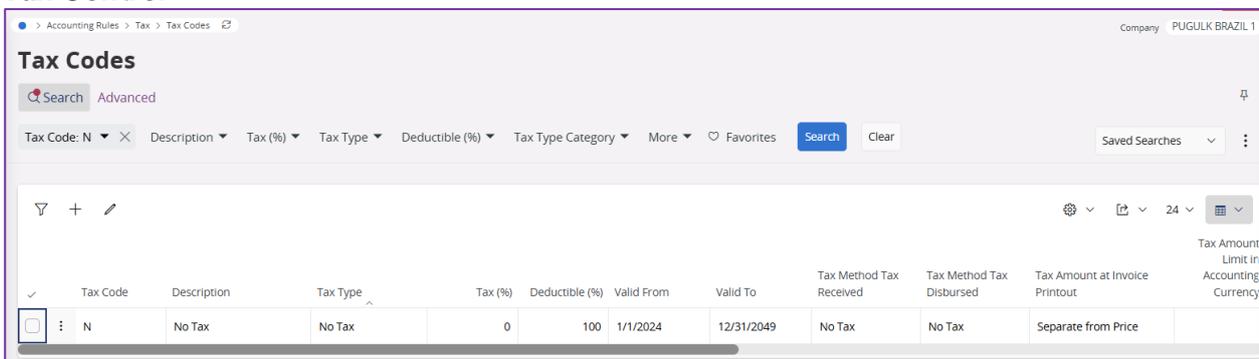
32.6 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Outgoing Nota Fiscals” parameter must be enabled.

Note that also parameters “Acquisition Origin”, “Business Operation”, “Address Specific Tax ID Numbers”, “Goods/Services Statistical Codes”, “Extended Tax Codes Tax Calculation Structures set-up”, “Use Automatic Generation of Official Invoice Numbers” and “Cancel PostedAuth Customer Order Invoices” must be enabled to fulfill data requirements for the NF-e XML file. Please see the specific chapters on how to set up the data needed.

32.7 Define Basic Data

Define No tax code in the **Application Base Setup >> Enterprise >> Company >> Company >> Tax Control**

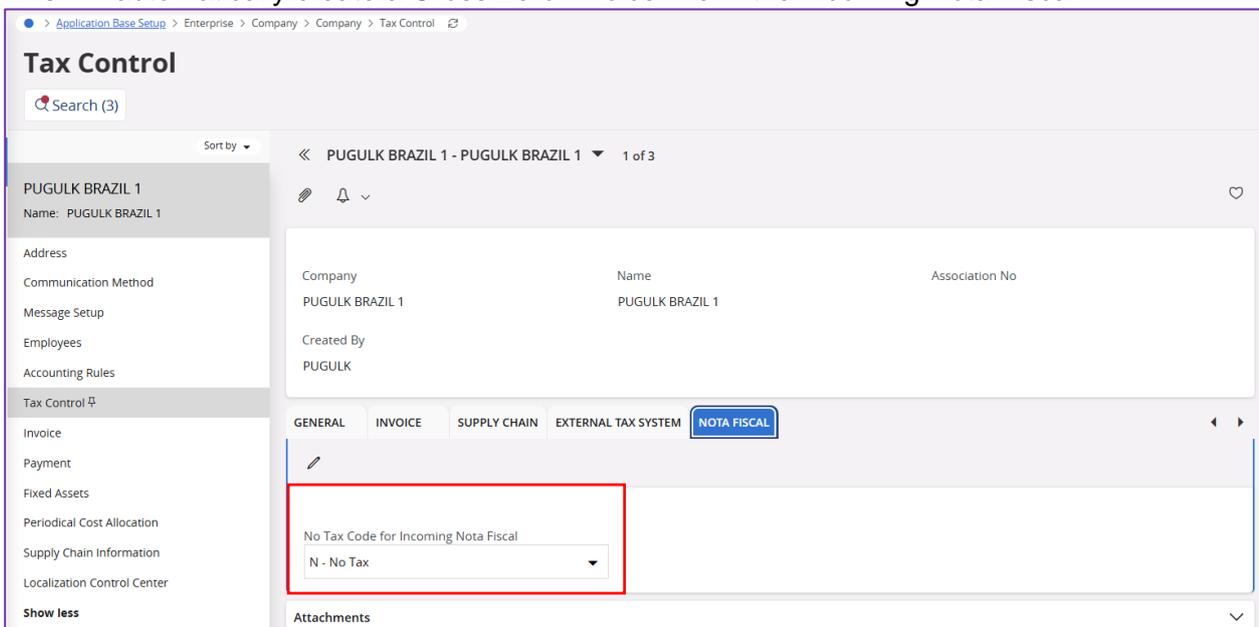


The screenshot shows the 'Tax Codes' configuration page for company 'PUGULK BRAZIL 1'. A table lists tax codes with the following data:

Tax Code	Description	Tax Type	Tax (%)	Deductible (%)	Valid From	Valid To	Tax Method Tax Received	Tax Method Tax Disbursed	Tax Amount at Invoice Printout	Tax Amount Limit in Accounting Currency
N	No Tax	No Tax	0	100	1/1/2024	12/31/2049	No Tax	No Tax	Separate from Price	

Fetch the Default No Tax Code in the **Company >> Tax Control >> No Tax Code for Incoming Nota Fiscal**

This will automatically create a Gross Zero invoice line in the Incoming Nota Fiscal.



The screenshot shows the 'Tax Control' configuration page for company 'PUGULK BRAZIL 1'. The 'NOTA FISCAL' tab is selected. A dropdown menu is highlighted with a red box, showing the selected option: 'No Tax Code for Incoming Nota Fiscal' with 'N - No Tax' as the value.

Delimitations

- Inventory valuation based on the price changes aren't handled in both Complementary Incoming and Outgoing Nota Fiscal scenarios.
- Charges are not handled in the Complementary Nota Fiscals.
- Cancellation, Error and Void Nota Fiscal lifecycles aren't handled.

33 Symbolic Shipments with Outgoing Tax Document

33.1 Overview Legal Requirement

In Brazil the Nota Fiscal is a mandatory official document that must be issued to prove the existence of a commercial act, e.g., sale of goods. It's a tax document that registers transfer of ownership or possession of a good or commercial activity provided by a company to an individual or another company that is doing business in Brazil.

The NF-e is the Nota Fiscal issued online, which allows real time reporting of transactions to the *Secretaria da Fazenda* (SEFAZ), which is the state government responsible for taxation and revenue.

The **Symbolic Nota Fiscal** is used to handle scenarios where physical goods are either consumed, altered, or otherwise do not exist in their original form. They ensure that even though the physical item may no longer be present, the transaction is still properly documented to meet fiscal and regulatory requirements.

It is important to note that customer or supplier invoices are not required for Symbolic Nota Fiscals, as these relate to non-invoiced transactions on both the incoming and outgoing sides. Although inventory transactions, even if Inventory Part is used, cannot be issued or received in these cases, Brazilian taxes can still be calculated.

Business Scenarios in Handling Symbolic Nota Fiscal

Symbolic Nota Fiscal supports various business transactions where the recipient is not charged and physical goods are either consumed, altered, or otherwise do not exist in their original form such as the following.

1. Inventory count adjustments
2. Return of sample parts previously received
3. Extending the period for external warehousing for goods.

33.2 Process Overview

To facilitate the Brazilian legal requirement of handling Symbolic Nota Fiscals, the Incoming/Outgoing Tax Document objects are used, with some necessary additions, to address these requirements.

ISSUE OF AN OUTGOING SYMBOLIC NOTA FISCAL



RECEIPT OF AN INCOMING SYMBOLIC NOTA FISCAL



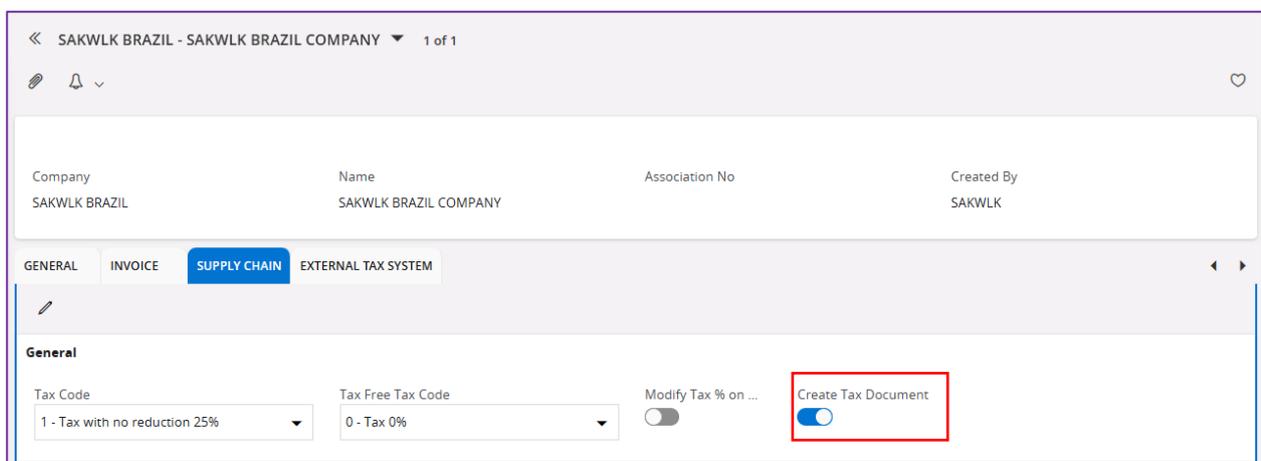
33.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter, and the “Outgoing Nota Fiscals” and “Incoming Nota Fiscals” parameters must be enabled.

The parameter “Integration to Brazilian External Tax System” should also be enabled to calculate the taxes through the 3rd party tax calculation engine Avalara.

33.4 Define Basic Data

To create the Outgoing and Incoming Tax Documents the toggle button “Create Tax Document” should be enabled in the **Company/Tax Control/Supply Chain** page.



SAKWLK BRAZIL - SAKWLK BRAZIL COMPANY 1 of 1

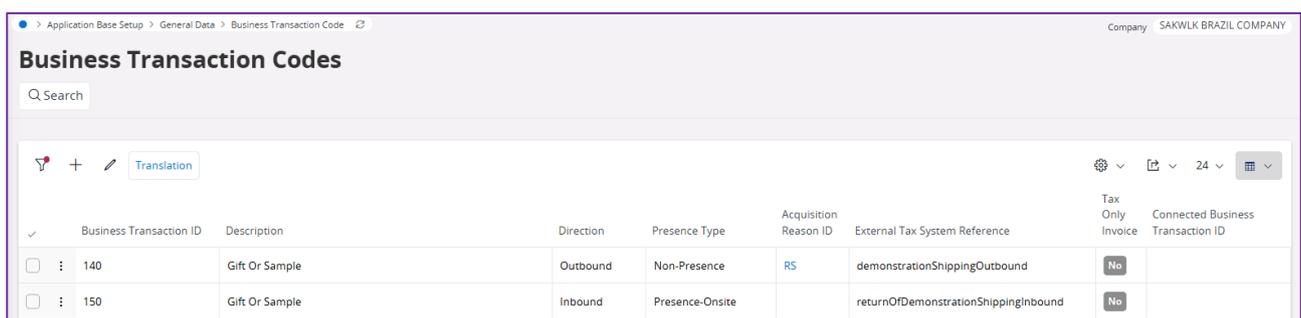
Company: SAKWLK BRAZIL, Name: SAKWLK BRAZIL COMPANY, Association No, Created By: SAKWLK

Tabs: GENERAL, INVOICE, **SUPPLY CHAIN**, EXTERNAL TAX SYSTEM

General

Tax Code: 1 - Tax with no reduction 25%
 Tax Free Tax Code: 0 - Tax 0%
 Modify Tax % on ...
 Create Tax Document

Define other basic data relevant for above mentioned business scenarios, in the *Business Transaction Code* and *Business Operation* pages.



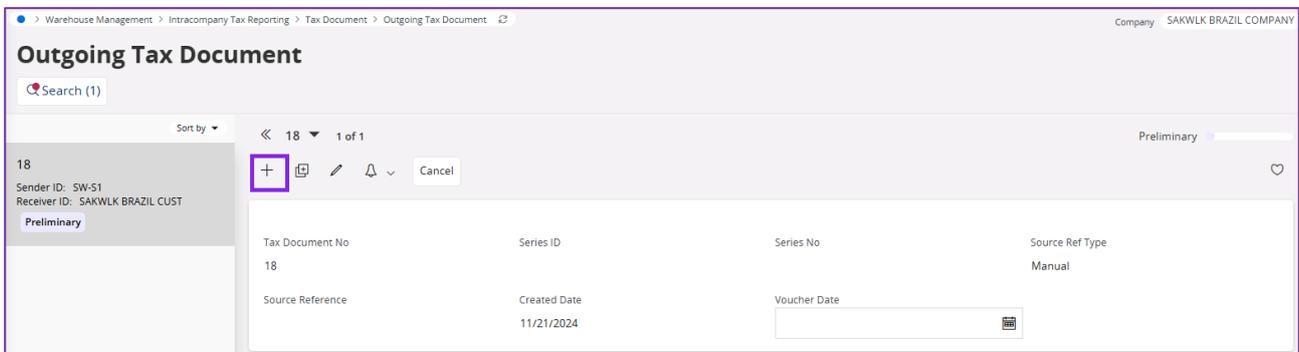
Business Transaction ID	Description	Direction	Presence Type	Acquisition Reason ID	External Tax System Reference	Tax Only Invoice	Connected Business Transaction ID
140	Gift Or Sample	Outbound	Non-Presence	RS	demonstrationShippingOutbound	No	
150	Gift Or Sample	Inbound	Presence-Onsite		returnOfDemonstrationShippingInbound	No	

Applicable basic data should exist for Supplier, Customer, Site and Inventory Part/s defined in the company.

33.5 Issue of an Outgoing Symbolic Nota Fiscal

An Outgoing Symbolic Nota Fiscal can be issued by a Company for either a Customer or a Supplier depending on the Business Scenario. Therefore, the Issuer for an Outgoing Symbolic Nota Fiscal will always be the Company's site and the Receiver of the Nota Fiscal will be a Customer or a Supplier. To facilitate this requirement the "Outgoing Tax Document" functionality is used.

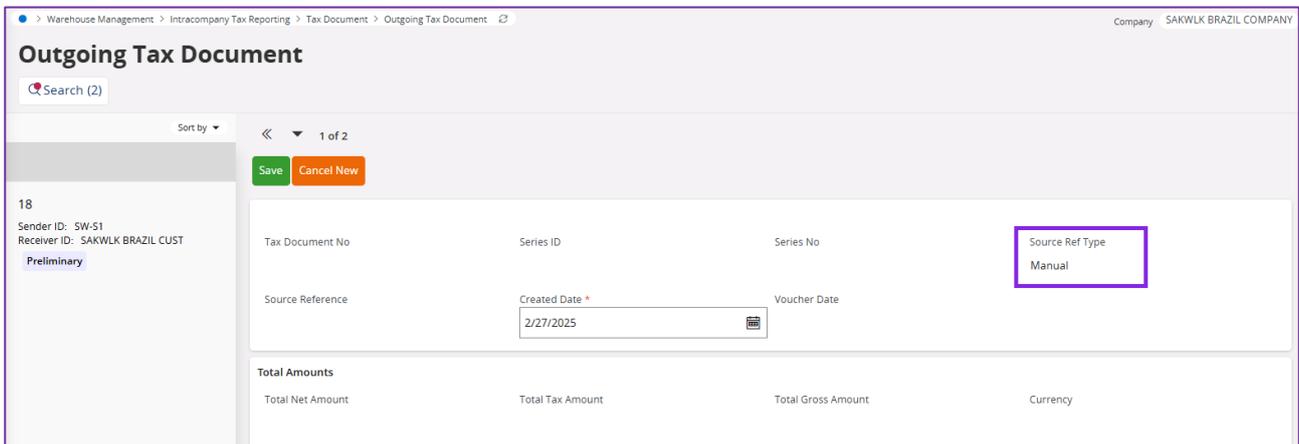
Navigate to "Outgoing Tax Document" in **Warehouse Management/Intracompany Tax Reporting/Tax Document/Outgoing Tax Document** page. Add a new record for a Tax Document manually with the enablement of a new button in the Outgoing Tax Document page.



The screenshot shows the 'Outgoing Tax Document' page for 'SAKWLK BRAZIL COMPANY'. A search bar shows 'Search (1)'. The record details are as follows:

18	Sender ID: SW-S1	Receiver ID: SAKWLK BRAZIL CUST	Preliminary
Tax Document No	Series ID	Series No	Source Ref Type
18			Manual
Source Reference	Created Date	Voucher Date	
	11/21/2024		

The newly created Tax Document's "Source Ref Type" is set as "Manual".



The screenshot shows the 'Outgoing Tax Document' page for 'SAKWLK BRAZIL COMPANY'. A search bar shows 'Search (2)'. The record details are as follows:

18	Sender ID: SW-S1	Receiver ID: SAKWLK BRAZIL CUST	Preliminary
Tax Document No	Series ID	Series No	Source Ref Type
			Manual
Source Reference	Created Date *	Voucher Date	
	2/27/2025		
Total Amounts			
Total Net Amount	Total Tax Amount	Total Gross Amount	Currency

The "Sender Type" will be automatically set as "Site" and all the sites will be listed in the "Sender ID" LOV. The Receiver Type can be set as either "Customer" or "Supplier", and the list of values in the Receiver ID field will display options based on the selected Receiver Type. The Document and Delivery Addresses will be updated and can be modified if needed.

Warehouse Management > Intracompany Tax Reporting > Tax Document > Outgoing Tax Document

Company: SAKWLK BRAZIL COMPANY

Outgoing Tax Document

Search (2)

Sort by

GENERAL LINES

Sender ID: SW-S1
Receiver ID: SAKWLK BRAZIL CUST

18
Sender ID: SW-S1
Receiver ID: SAKWLK BRAZIL CUST
Preliminary

Sender Sender Type: SW-S1 Site: SW-S1 Sender Description:		Receiver Receiver Type: Customer Receiver ID: SAKWLK BRAZIL CUST Receiver Description: Final Consumer <input type="checkbox"/>	
Sender Address Address Source: Address Source ID Document Address ID: Delivery Address ID: BR-01 Branch: SW-B1 Sender Delivery Tax ID Number: 04106230000191		Receiver Address Address Source: Address Source ID Document Address ID: Delivery Address ID: CUST-01 Receiver Delivery Address Name: Single Occurrence <input type="checkbox"/> Receiver Delivery Tax ID Number: 60881299000405	

Inform the specific “Business Transaction ID” in Brazil Specifics and save the Tax Document. Once saved, the “Series” should also be informed in the Official Document Number.

Go to Tax Document Lines and select the “Inventory Part No” and “Inventory Quantity” as required. The default values will be fetched for “Acquisition Origin”, “Acquisition Reason” and “Goods/Services Statistical Code” as defined in the Inventory Part. These fields can be modified as needed. These will be mandatory attributes to calculate taxes through Avalara.

Warehouse Management > Intracompany Tax Reporting > Tax Document > Outgoing Tax Document

Company: SAKWLK BRAZIL COMPANY

Outgoing Tax Document

Search (1) Advanced

Status Tax Document No: 653 Source Ref Type More Favorites Search Clear Saved Searches

Sort by << 653 1 of 1

653
Sender ID: SW-S1
Receiver ID: SAKWLK BRAZIL CUST
Preliminary

Tax Document No	Series ID	Series No	Source Ref Type
653			Manual
Source Reference	Created Date	Voucher Date	
	2/27/2025		

Total Amounts

Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
100.00			BRL

GENERAL LINES

Tax Lines

(1)	Inventory Part No	Inv Part Description	Inventory Quantity	Source UoM	Acquisition Origin	Acquisition Reason Id	Goods/Services Statistical Code
☑	SAKWLK PURCHASE PART	SAKWLK PURCHASE PART	1		0 - Nacional, exceto as i...	RS - Goods for Resale	60011010 - De algodao

The “Unit Cost” defined for the selected Inventory Part will be automatically fetched for the “Price” and can be modified if needed. Save the lines and use the “Fetch External Tax” command to calculate taxes through Avalara.

Warehouse Management > Intracompany Tax Reporting > Tax Document > Outgoing Tax Document

Company: SAKWLK BRAZIL COMPANY

Outgoing Tax Document

Search (1) Advanced

Status Tax Document No: 653 Source Ref Type More Favorites Search Clear Saved Searches

Sort by << 653 1 of 1 Preliminary

653
Sender ID: SW-51
Receiver ID: SAKWLK BRAZIL CUST
Preliminary

+ [Print] [Edit] [Alert] [Cancel] **Fetch External Tax**

Tax Document No	Series ID	Series No	Source Ref Type
653			Manual
Source Reference	Created Date	Voucher Date	
	2/27/2025		

Total Amounts

Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
100.00			BRL

When the command button Fetch External Taxes is clicked, a request for tax determination is sent to the external tax system Avalara. The Brazil unit price returned by Avalara is recorded in the Outgoing Tax Document line, along with all tax details, which are recorded in the Tax Lines dialog for each item.

Tax Document Line Tax Lines

Gross Amount	Net Amount	Tax Amount
137.46	100.00	37.46

Tax Line Details

Tax Base Amount	Tax Code	Tax Type	Tax(%)	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency
137.46	COFINS - 0%	Tax	7.6	10.45	10.45	5.23
137.46	ICMS - 0%	Tax	18	24.74	24.74	12.37
137.46	PIS - 0%	Tax	1.65	2.27	2.27	1.14

OK Cancel

Once taxes are calculated, the “Create Outgoing Nota Fiscal” command button can be used to generate the Nota Fiscal.

Warehouse Management > Intracompany Tax Reporting > Tax Document > Outgoing Tax Document

Company: SAKWLK BRAZIL COMPANY

Outgoing Tax Document

Search (1)

Sort by

654

Sender ID: SW-51
Receiver ID: SAKWLK BRAZIL CUST

Preliminary

Cancel **Create Outgoing Nota Fiscal** Fetch External Tax

Tax Document No	Series ID	Series No	Source Ref Type
654			Manual
Source Reference	Created Date	Voucher Date	
	2/27/2025		

Total Amounts			
Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
100.00	37.46	137.46	BRL

The Outgoing Nota Fiscal is then created with Document Type automatically set to Symbolic Nota Fiscal, and with the Brazil unit price and all the tax details copied from the related Outgoing Tax Document. The NF-e can then be communicated to the Tax Authority to get it approved.

Financials > Financial e-Reporting > Nota Fiscal and Bill of Lading > Outgoing Nota Fiscal > Outgoing Nota Fiscal

Company: SAKWLK BRAZIL COMPANY

Outgoing Nota Fiscal - 001000001042

Search (1)

Sort by

87

Nota Fiscal Series: 001
Nota Fiscal No: 000001042

Initiated

Send Nota Fiscal **Outgoing Tax Document**

Document Type
Symbolic Nota Fiscal

Sender		Receiver	
Site	Site Name	Customer	Customer Name
SW-51	SAKWLK Brazil Site 1	SAKWLK BRAZIL CUST	SAKWLK BRAZIL CUSTOMER

Once the Nf-e is approved, the Outgoing Tax Document is in posted state.

Warehouse Management > Intracompany Tax Reporting > Tax Document > Outgoing Tax Document

Company: SAKWLK BRAZIL COMPANY

Outgoing Tax Document

Search (1)

Sort by

655

Sender ID: SW-51
Receiver ID: SAKWLK BRAZIL CUST

Posted

Reprint Original from Archive Posting Analysis View Outgoing Nota Fiscal

Tax Document No	Series ID	Series No	Source Ref Type
655			Manual
Source Reference	Created Date	Voucher Date	
	2/27/2025		

Total Amounts			
Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
100.00	34.38	134.38	BRL

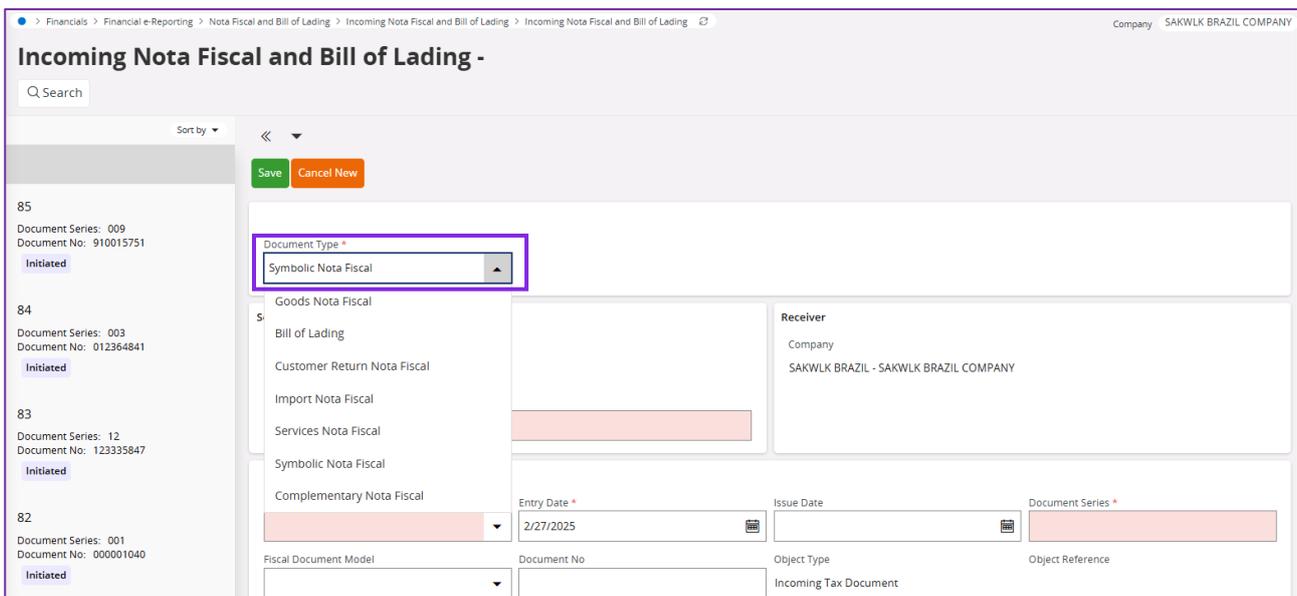
GENERAL LINES

Sender		Receiver	
Sender Type	Sender ID	Receiver Type	Receiver ID
Site	SW-51	Customer	SAKWLK BRAZIL CUST
Sender Description		Receiver Description	Final Consumer
SAKWLK Brazil Site 1		SAKWLK BRAZIL CUSTOMER	<input type="checkbox"/>

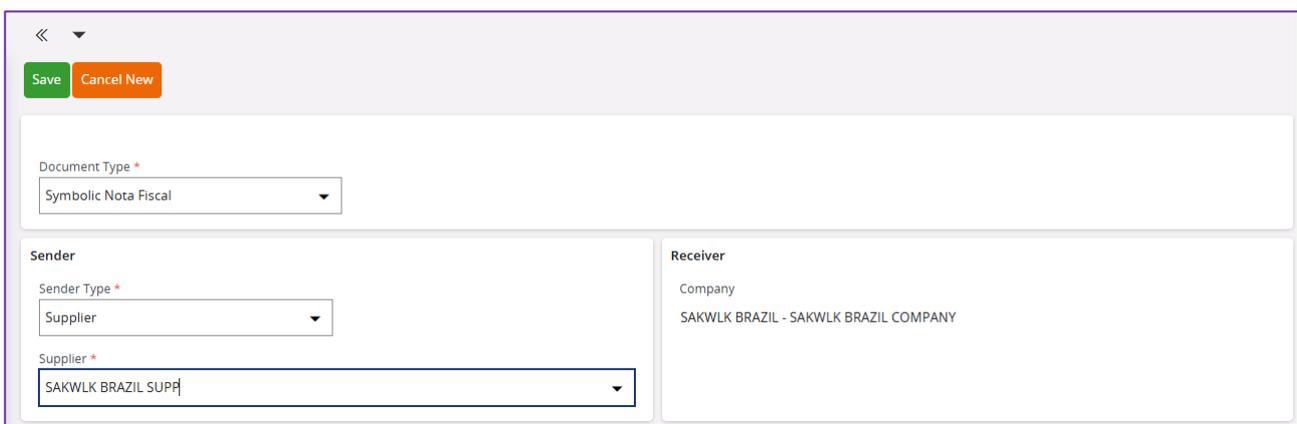
33.6 Receipt of an Incoming Symbolic Nota Fiscal

An Incoming Symbolic Nota Fiscal can be received by a Company from either a Customer or a Supplier depending on the Business Scenario. Therefore, the Receiver for an Incoming Symbolic Nota Fiscal will always be the Company and the Issuer of the Nota Fiscal will be a Customer or a Supplier. To facilitate this requirement a new Document Type, “Symbolic Nota Fiscal” has been introduced in the “Incoming Nota Fiscal and Bill of Lading” page.

Navigate to **Financials/Financial e-Reporting/Nota Fiscal and Bill of Lading/Incoming Nota Fiscal and Bill of Lading** page and create a new Incoming Nota Fiscal setting the Document Type as “Symbolic Nota Fiscal”.



The “Receiver” will be automatically set as the Company. The Sender Type can be set as either "Customer" or "Supplier", and the list of values in the Sender ID field will display options based on the selected Sender Type.



Fill in the attributes – Site, Document Series, Fiscal Document Model, Document Type and Business Transaction ID and save the NF Header. The “Object Type” will be set as “Incoming Tax Document”.

Financials > Financial e-Reporting > Nota Fiscal and Bill of Lading > Incoming Nota Fiscal and Bill of Lading > Incoming Nota Fiscal and Bill of Lading

Company: SAKWLK BRAZIL COMPANY

Incoming Nota Fiscal and Bill of Lading - 009839227202

Search (1)

Sort by

88
Document Series: 009
Document No: 839227202
Initiated

Sender
Sender Type
Supplier
Supplier
SAKWLK BRAZIL SUPP - SAKWLK BRAZIL SUPPLIER

Receiver
Company
SAKWLK BRAZIL - SAKWLK BRAZIL COMPANY

Site * SW-S1
Entry Date * 2/27/2025
Issue Date
Document Series * 009

Fiscal Document Model 55
Document No 839227202
Object Type **Incoming Tax Document**
Object Reference

Object Reference Status
Currency Rate 1

Document Text

Business Transaction ID 150
Payment Terms 0 - Due Immediately
Currency Code BRL

The Document and Delivery Addresses will be updated for the Sender and the Receiver accordingly once the Nota Fiscal Header details are saved.

Go to the Nota Fiscal Lines and enter the lines. Select the needed Inventory Part from the “Part No” which will list all the Inventory Parts connected to the Site and enter the Quantity. Then go to “Tax Lines” and enter Tax details information as required manually.

Tax Lines

Gross Amount	Net Amount	Tax Amount	Non-deductible Tax Amount
110.00	100.00	10.00	0.00
Total Tax Amount			
10.00			

Tax Line Details

Tax Base Amount	Tax Code	Tax Type	Tax Type Category	Tax(%)	Deductible(%)	Tax Amount	Total Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency
100.00	COFINS 5%	Tax	COFINS	5	100	5.00	5.00	5.00	2.50
100.00	PIS	Tax	IPI	5	100	5.00	5.00	5.00	2.50

OK Cancel

Once Tax details are entered, save the tax lines and approve the Nota Fiscal. Once approved, use the “Create Incoming Tax Document” command button to create the Incoming Tax Document.

Financials > Financial e-Reporting > Nota Fiscal and Bill of Lading > Incoming Nota Fiscal and Bill of Lading > Incoming Nota Fiscal and Bill of Lading

Company: SAKWLK BRAZIL COMPANY

Incoming Nota Fiscal and Bill of Lading - 009839227202

Search (1)

Sort by

1 of 1

Approved

Document Series: 009
Document No: 839227202

Approved

Cancel Create Incoming Tax Document Fetch External Tax

Document Type
Symbolic Nota Fiscal

Sender
Sender Type
Supplier
Supplier
SAKWLK BRAZIL SUPP - SAKWLK BRAZIL SUPPLIER

Receiver
Company
SAKWLK BRAZIL - SAKWLK BRAZIL COMPANY

The Incoming Tax Document is non-editable. All the tax details, Sender and Receiver details are copied from the related Incoming Nota Fiscal. The “Source Ref Type” will be automatically set to “Nota Fiscal”.

The “Post Tax Document” command button can then be used to post the taxes in the Tax Document.

Warehouse Management > Intracompany Tax Reporting > Tax Document > Incoming Tax Document

Company: SAKWLK BRAZIL COMPANY

Incoming Tax Document

Search (1)

Sort by

658 1 of 1

Preliminary

658
Sender ID: SAKWLK BRAZIL SUPP
Receiver ID: SW-51
Preliminary

Post Tax Document Incoming Nota Fiscal

Tax Document No	Series ID	Series No	Source Ref Type
658			Nota Fiscal
Source Reference	Created Date	Voucher Date	
89	2/27/2025		

Total Amounts			
Total Net Amount	Total Tax Amount	Total Gross Amount	Currency
100.00	10.00	110.00	BRL

33.7 Postings

OUTGOING TAX DOCUMENT

Following basic data are used when posting the Outgoing Tax Document:

Voucher Type	Posting Type	Posting Type Description	Debit/Credit	Control Type
MPT	M297	Tax Disbursed, Intracompany Part Movements	Credit	AC7 – Tax Code
MPT	M307	Company Bearing Tax Disbursed, Tax Amount	Debit	AC1 – Fixed Value

Warehouse Management > Intracompany Tax Reporting > Tax Document > Tax Document Posting Analysis

Company: SAKWLK BRAZIL COMPANY

Tax Document Posting Analysis

Search (1)

Sort by

655 1 of 1

Company: SAKWLK BRAZIL

Posted

Tax Document No	Sender	Receiver	
655	SW-51	SAKWLK BRAZIL CUST	Outgoing
Currency	Error		
BRL	No		

Amounts		
Net Amount	Tax Amount	Gross Amount
100.00	34.38	134.38

Posting Information

✓	Voucher Type	Posting Event	Posting Type	Voucher Date	Voucher No	Account	Amount	Amount in Parallel Currency	Cost Cent
<input type="checkbox"/>	MPT	ICBS-TAX	M297	2/27/2025	2025000010	2610	-8.37	4.19	
<input type="checkbox"/>	MPT	ICBS-TAX	M307	2/27/2025	2025000010	5960	8.37	4.19	
<input type="checkbox"/>	MPT	ICBS-TAX	M297	2/27/2025	2025000010	2610	-24.19	12.10	
<input type="checkbox"/>	MPT	ICBS-TAX	M307	2/27/2025	2025000010	5960	24.19	12.10	
<input type="checkbox"/>	MPT	ICBS-TAX	M297	2/27/2025	2025000010	2610	-1.82	0.91	
<input type="checkbox"/>	MPT	ICBS-TAX	M307	2/27/2025	2025000010	5960	1.82	0.91	

INCOMING TAX DOCUMENT

Following basic data are used when posting the Incoming Tax Document:

Voucher Type	Posting Type	Posting Type Description	Debit/Credit	Control Type
MPT	M299	Tax Received, Intracompany Part Movements	Debit	AC1 – Fixed Value
MPT	M308	Company Bearing Tax Received, Tax Amount	Credit	AC1 – Fixed Value

Warehouse Management > Intracompany Tax Reporting > Tax Document > Tax Document Posting Analysis

Company: SAKWLK BRAZIL COMPANY

Tax Document Posting Analysis

Search (1)

Sort by

658
Company: SAKWLK BRAZIL
Posted

658 1 of 1

Tax Document No: 658
Sender: SAKWLK BRAZIL SUPP
Receiver: SW-51
Currency: BRL
Error: No
Incoming

Amounts

Net Amount	Tax Amount	Gross Amount
100.00	10.00	110.00

Posting Information

✓	Voucher Type	Posting Event	Posting Type	Voucher Date	Voucher No	Account	Amount	Amount in Parallel Currency	Cost Cent
<input type="checkbox"/>	MPT	ICBR-TAX	M299	2/27/2025	2025000012	2641	5.00	2.50	
<input type="checkbox"/>	MPT	ICBR-TAX	M308	2/27/2025	2025000012	5961	-5.00	2.50	
<input type="checkbox"/>	MPT	ICBR-TAX	M299	2/27/2025	2025000012	2641	5.00	2.50	
<input type="checkbox"/>	MPT	ICBR-TAX	M308	2/27/2025	2025000012	5961	-5.00	2.50	

33.8 Delimitations

Charges such as Freight, Insurance, and Expenses will not be handled in this flow, as Charges are not supported in the Tax Document.

The option to enter Non-Inventory Parts in the Outgoing Tax Document Lines will not be supported in this release.

34 Correction Letter for NF-e

34.1 Overview Legal Requirement

The Correction Letter (CC-e) is an electronic document used to amend information in an Electronic Nota Fiscal (NF-e) previously issued and authorized by the Tax Authority (SEFAZ). This correction can only be made for errors that do not change fiscal values, total amount, taxes, or recipient information (name, CNPJ). Tax Authority allow issuing up to 20 correction letters per Nota Fiscal.

34.2 Process Overview



34.3 Prerequisites

The company must be configured to use Brazilian localization (refer to the Company Setup chapter). Additionally, the 'Integration to Brazilian External Tax System' parameter must be enabled. Ensure that the series used for issuing Nota Fiscal is unselected for Manual Issue Nota Fiscal in the 'Official Document Numbers' settings.

34.4 Issue Correction Letter

Goods Nota Fiscal can be issued through different flows in the application. Once the Nota Fiscal has been created, integrated with the tax authority (SEFAZ), and authorized, a Correction Letter can be issued if adjustments are required.

Click the command button Correction Letter:

Outgoing Nota Fiscal - 010000080133

Q Search

»

Send Cancel Request Customer Invoice Customer Invoice Postings Analysis **Correction Letter**

Approved

Document Type
Goods Nota Fiscal

Sender		Receiver	
Company	Company Name	Customer	Customer Name
STDBRAZIL	STDBRAZIL - PLEASE DONT CHANGE THE S...	BR DOMESTIC CUST	NF-E EMITIDA EM AMBIENTE DE HOMOLO...

Site	Nota Fiscal Series	Nota Fiscal No	Entry Date
SP01	010	000080133	06/01/2025
Issue Date	Object Type	Object Reference	Object Reference Status
06/01/2025	Customer Order Invoice	010BSP0155000080133	Posted Auth
Currency Code	Currency Rate		
BRL	1		
Nota Fiscal Text			
Fiscal Document Model	Payment Terms	Business Transaction ID	

In the Correction Letter dialog, enter the adjustment text regarding correction to be done in the field Correction Letter Description. The text must be between 15 and 1000 characters. Click the notes icon in the left side of field to expand it if needed. Once the adjustment text is entered, click the command Send Correction Letter:

✕ **Correction Letter**

Fiscal Note Id	Sequence No	Correction Letter Description
232	1	 Ajuste para descrição do material: Onde ...

Send Correction Letter Cancel

The application communicates the Correction Letter to Tax Authority (Sefaz) via integration with external tax system Avalara.

Once Correction Letter dialog is closed, the details of Correction Letter can be verified in the CC-e Information tab of Nota Fiscal:

Outgoing Nota Fiscal - 010000080133

Q Search

» ▾

Send Cancel Request Customer Invoice Customer Invoice Postings Analysis Correction Letter

Document Type
Goods Nota Fiscal

Sender		Receiver	
Company	Company Name	Customer	Customer Name
STDBRAZIL	STDBRAZIL - PLEASE DON'T CHANGE THE S...	BR DOMESTIC CUST	NF-E EMITIDA EM AMBIENTE DE HOMOLO...

...

Amounts

Charge Amounts

LINES ADDRESS GENERAL NF-E INFORMATION **CC-E INFORMATION**

Sequence No	Correction Letter Description	CC-e Protocol No	CC-e Processing Date	CC-e Status Code	Return Message
1	Ajuste para descrição do material: Onde se lê Overdrive, deve-se considerar Fuzz	135250000249757	10/01/2025	135	Evento registrado e vinculado a NF-e

The Brazilian Tax Authority allow the taxpayer companies to issue a maximum of 20 correction letters per Nota Fiscal.

35 Boleto – Bank Collection Bill

35.1 Overview Legal Requirement

Boleto is an accounts receivable document used to receive money from customers. This is not a legal requirement but is a widely used business requirement. This document is a copy of the customer invoice and can be paid in any institution or bank, until the due date.

There are enough key elements in the Boleto so the payer can easily identify all data needed to make the right compensation of the amounts.

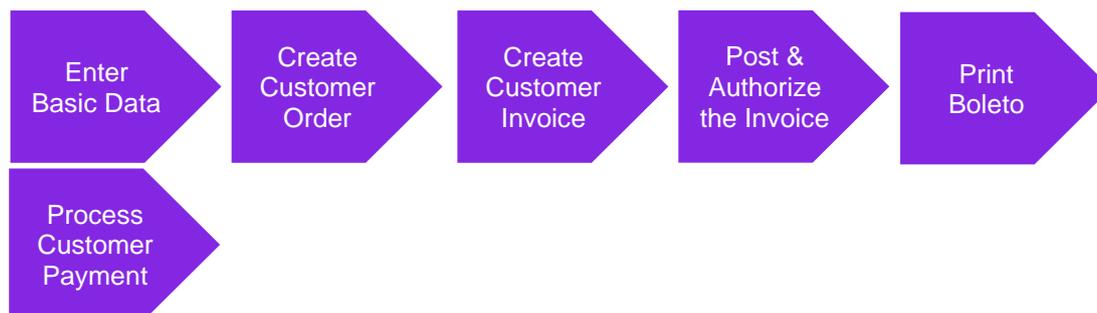
It is estimated that 50 million of Boletos are paid monthly in Brazil.

The system covers Boleto for following Brazilian banks: **Bradesco, Itaú, Santander, Banco do Brasil, and Caixa Econômica Federal.**

35.2 Solution Overview

- Boleto functionality should be enabled on company level and the Payment basic data for specific bank should be defined.
- Boleto could be printed soon after the Customer Invoice is set to the status “PostedAuth”.
- The amount is compensated in the company’s bank account just after the customer process the Boleto’s payment and can be identified manually or automatically by using a file integration (core process).
- Boleto’s layout - Each bank has a specific layout for the Boleto printout. This document describes the solution for bank Bradesco.

35.3 Process Overview



35.4 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set up chapter. The ‘Boleto – Bank Collection Bill’ parameter under the **Localization Control Center tab** must be enabled on the *Company/Localization Control Center* tab. The **Customer Invoice Creation Method** field should be set to ‘Brazilian Boleto’ on the *Company/Invoice/General* tab.

35.5 Define Basic Data

Payment Format per Company:

Select the Customer Payment Format Id that will be used to print the Boletto. After selection, the Payment Format it will be available for use in the company.

Payment Formats per Company													
Payment Format ID	Format Description	Used in Company	Allowed Currencies	Payment Party Type	Input/Output Type	Repeatable Output	Format Instruction	Incoming File Template	Outgoing File Template	Payment Advice as a Single Print Job	Generate Payment Advice	Allow Negative Amount	
BR237CUST	Brazilian format for bank BRADE	Yes	BRL	Customer	FILE	Yes	On Plan or Spec Date	CUP_BR_23	CUST_GEN_	No	No	No	

Payment Method:

Enter a new Payment Method and connect to Payment Format in **Financials/Payment Basic Data/Cash Book/Payment Methods** page.

Payment Methods					
Payment Method	Description	Format ID	Generate Trace Information	Cash Account In Any Currency	
BR237CUST	Brazilian format for bank BRADESCO, customer	BR237CUST - Brazilian format for bank BRADESCO, customer	Yes	No	

Payment Institutes:

Define Payment Institute for bank in **Financials/Payment Basic Data/Cash Book/Payment Institutes** page. The field **Our Identity** should be filled with the number of the bank and respective control digit because it is important information to be printed in the Boletto.

Payment Institutes					
Payment Institute	Our Identity	Description	Use Value Date For Matching	Cash Box	
BANK	237-7	Bank	Yes	No	

Payment Institute Offices:

Define a Payment Institute Office to be used in the Cash Account that will be used to print the Boletto in **Financials/Payment Basic Data/Cash Book/Payment Institute Offices**.

Payment Institute Offices						
Payment Institute	Office Code	Description	Address1	Address2	Address3	
BANK	1234	Bradesco Office				

Cash Account:

After creating Payment Institute and Payment Institute Office it is necessary to create the Cash Account that will be used to print the Boletto in **Financials/Payment Basic Data/Cash Book/Cash Account** page. The field **Short Name** can be used to define the unique identifier of the Cash Account in the system. Fill the **Office Code** column using LOV, the **Account Number** column should be filled with the account number and the control digit of the account, as the picture below:

Cash Accounts										
Short Name	Description	Payment Institute	Office Code	Currency	Account Number	Account Reference	BIC/Swift Code	Default Flag	International Cash Account	
BANK	Bank	BANK	1234	BRL	123456-7			Yes	No	

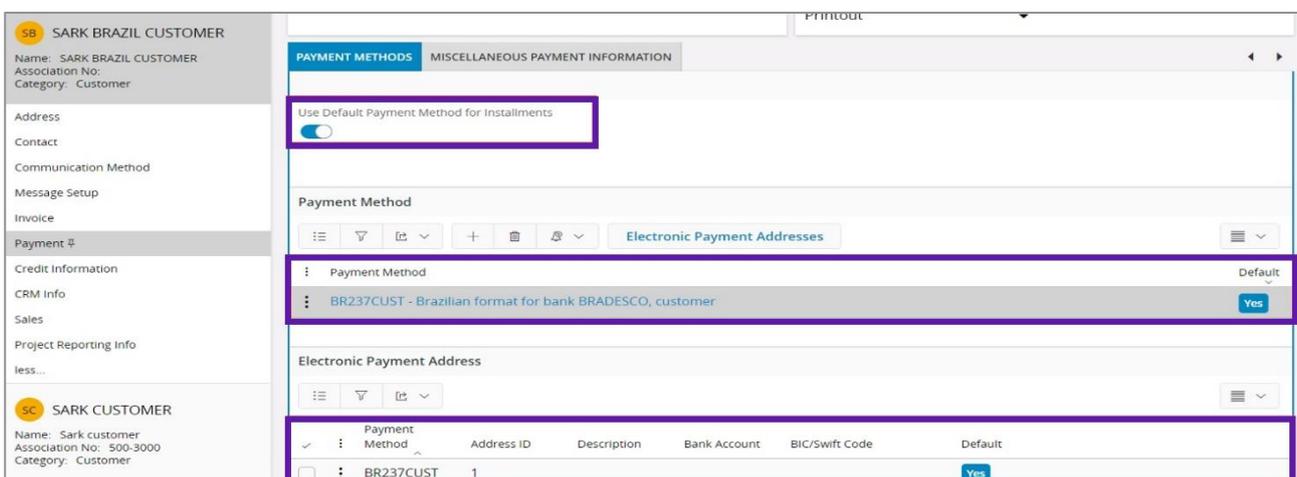
Format Specific Info per Institute:

Make sure that all Boletto definitions are filled in **Financials/Payment Basic Data/Cash Book/Payment Institutes/Payment Methods per Institute/Format Specific Information per Institute**. Enter record in **Format Specific Info per Institute** page using cash account defined previously. This definition can be found in the Bank's documentation related to the layout of the Boletto. Start value mentioned here is the "Our Number" in Boletto layout.

Format Specific Information per Institute - BANK - BR237CUST							
Format ID	License No	Security Type No	Instruction 1	Instruction 2	Control File Seq No	File Seq No	
BR237CUST	190	1			<input checked="" type="checkbox"/>	12	
Accepted	Document Type 1	Document Type 2	Cash Account	Digit Calc. Method	Start Value	End Value	Next Value
N	Real	DT2	BANK	M1	000001	999999	000059

Customer Master Data:

Attach Payment Method to the customer on **Customer/Payment** tab. Make sure that the option **Use Default Method for Installments** is enabled. Further add a line to "Electronic Payment Address" as shown in the screenshot below.



Cash Account per Customer:

Define Cash Account per customer in **Financials/Payment Basic Data/Cash Book/Cash Accounts/Cash Account per Customer** page. Make sure that the Cash Account that will be responsible for the Boleto's printout is enabled as **Default**.

Cash Accounts per Customer							
✓	:	Customer ID	Currency	Cash Account	Account Number	Text	Default
<input type="checkbox"/>	:	% %	%	BANK - Bank	123456-7		<input checked="" type="checkbox"/> Yes

35.6 Boleto Printout

35.6.1 PRINT BOLETO FROM CUSTOMER INVOICE

When Customer Invoice is in the "PostedAuth" state the "Print Boleto" button is enabled and user can print the Boleto.

Customer Invoice										BRCUST1 - Brazilian Customer 1 - 970000010 - CUSTORDDEB - P11676		1 of 11		Posted Auth			
Customer No	Series ID	Invoice No	Company	Site	Invoice Created	Order Created											
BRCUST1	CD	970000010	EABRYSYTEST	BRST	2020-11-11	2020-11-11											
Amounts																	
Currency	Gross Amt	Net Amt	Tax Amt	Currency Rate	Tax Currency Rate												
BRL	361,39	288,00	73,39	1	1												
LINES												GENERAL		NF-E INFORMATION		HISTORY	
✓	:	Pos	Invoice Item	Description	Invoiced Qty	Sales UoM	Price Qty	Price UoM	Sales Price/Curr	Sales Price Incl Tax/Curr	Acquisition Origin	Business Operation					
<input type="checkbox"/>	:	1	181	Garage door handle, Belu	1	pcs	1	pcs	200,00	250,96							
<input type="checkbox"/>	:	2	165	Remote control, Radio	1	pcs	1	pcs	100,00	125,48	0 - National						

In this page both the IFS Customer Invoice number as well as the Official Invoice number (represented by Nota Fiscal series concatenated with Nota Fiscal number) can be used when searching for Boletos.

35.6.3 BOLETOS HISTORY

Boletos History is a page that contains all the history actions performed on the *Boletos Manager* page. Once a Boletto document is printed, canceled or reprinted, it is possible to follow all the actions and have a complete history simply by analyzing this page.

Boletos History												
✓	:	History ID	User ID	Hist Date	Customer	Customer Name	Printed	Series ID	Invoice No	Official Invoice No	Installment ID	Currency
<input type="checkbox"/>	:	135	SARKLK	11/19/20, 3:55 PM	 SARK BRAZIL CUSTOMER	 SARK BRAZIL CUSTOMER - S	<input checked="" type="checkbox"/>	CD	970000030	333000001029	1	BRL
<input type="checkbox"/>	:	134	SARKLK	11/18/20, 10:29 AM	 SARK BRAZIL CUSTOMER	 SARK BRAZIL CUSTOMER - S	<input checked="" type="checkbox"/>	CD	970000027	333000001026	1	BRL
<input type="checkbox"/>	:	133	SARKLK	11/18/20, 10:29 AM	 SARK BRAZIL CUSTOMER	 SARK BRAZIL CUSTOMER - S	<input type="checkbox"/>	CD	970000027	333000001026	1	BRL
<input type="checkbox"/>	:	132	SARKLK	11/16/20, 11:54 AM	 SARK BRAZIL CUSTOMER	 SARK BRAZIL CUSTOMER - S	<input checked="" type="checkbox"/>	CD	970000027	333000001026	1	BRL

35.7 Delimitations

Only five Brazilian banks are covered by this solution:

- Bradesco
- Itaú
- Santander
- Banco do Brasil
- Caixa Econômica Federal

36 Self-Billing Invoices in Brazil

36.1 Overview Legal Requirement

In Brazil, it's a legal requirement to receipt a Nota Fiscal for the business transactions related to procurement transactions and referred as Incoming Nota Fiscal. The Nota Fiscal must be authorized by the Brazilian Tax Authority prior to shipment of goods and the printed version of Nota Fiscal (DANFE – Auxiliary Document for e-Nota Fiscal) is used to support the transportation of goods to the recipient's locations.

The Nota Fiscal must be received by the goods recipient before the goods is received into inventory.

All inventory transactions created from procurement must be identified by the Nota Fiscal number and Nota Fiscal item. These references are used when submitting tax reporting to the tax authority at the end of tax period. These references might also be required in Tax Audits. The references are also widely used in the daily operations in Brazilian companies.

Note: The Primary business objective here is to enable the Supplier side Self-Billing functionalities in Brazilian localization to further support the above described, Incoming Nota Fiscal flow.

36.2 Other Business Objectives

1. Enabling the possibility of entering the Incoming Nota Fiscal prior to the goods arrival.
2. Enable direct cross reference between Incoming NF, Receipt Reference and Supplier Invoice by automatically filling the Receipt Ref as Incoming NF No.

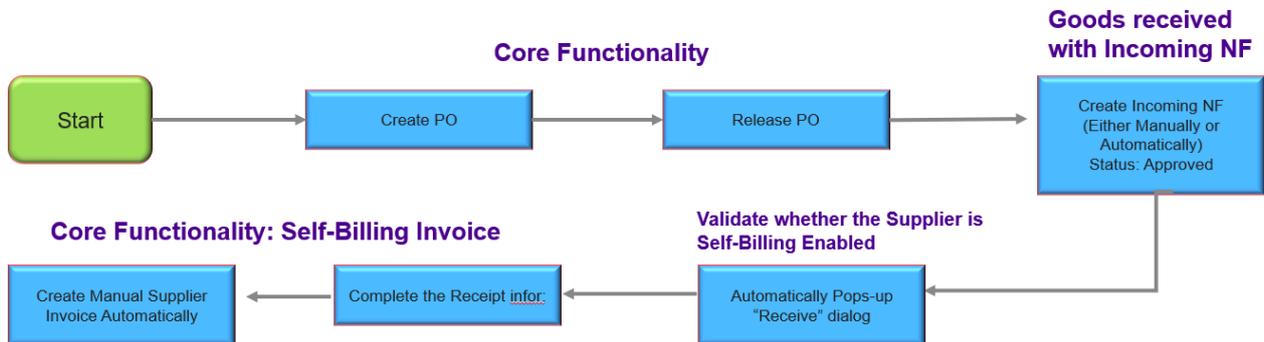
36.3 Process Overview

- a. Enable Supplier for Self-Billing invoicing (Core functionality)

Incoming Nota Fiscal could be received to IFS Cloud in two ways,

- b. Receive Incoming Nota Fiscal either,
 1. Automatically (NF-e) – Using External Supplier Invoice Flow or,
 2. Enter Incoming Nota Fiscal Manually – Using **Incoming Nota Fiscal** Page
- c. Once the Incoming Nota Fiscal is created, application is validate whether the Supplier is Self-Billing enabled and, from the Incoming Nota Fiscal page user can receive the Goods by using the newly introduced option “Receipt Goods”.
- d. Finally, user can create the inventory transactions related to the goods receipt and process Manual Supplier Invoice.

36.4 Process Overview

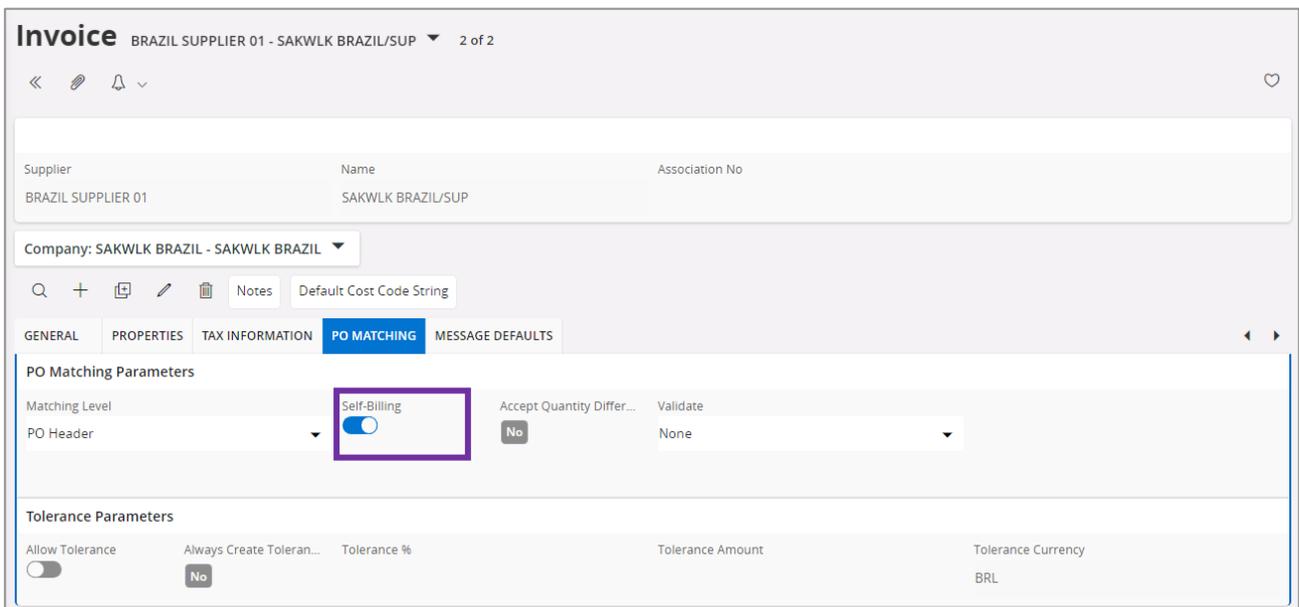


36.5 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set up chapter. And the "Incoming Nota Fiscal" parameter under the **Localization Control Center** tab must be enabled on the *Company/Localization Control Center* tab. The **Supplier should be enabled for Self-Billing Invoicing**.

36.6 Define basic data

The **Supplier should be enabled for Self-Billing Invoicing**.



The screenshot shows the 'Invoice' configuration screen for 'BRAZIL SUPPLIER 01 - SAKWLK BRAZIL/SUP'. The 'PO MATCHING' tab is selected, showing the 'PO Matching Parameters' section. The 'Self-Billing' toggle is turned on. The 'Accept Quantity Differ...' dropdown is set to 'No', and the 'Validate' dropdown is set to 'None'. The 'Tolerance Parameters' section is also visible, with 'Allow Tolerance' turned off, 'Always Create Toleran...' set to 'No', and 'Tolerance Currency' set to 'BRL'.

36.7 Self-Billing: Receive Incoming Nota Fiscal and Supplier Invoice Flow

IFS Cloud standard External Supplier Invoice flow or the manually entering Incoming Nota Fiscal flow could be used in this scenario to facilitate Self billing supplier invoices.

Please refer the details in the process described step by step in related above chapters to how to create Incoming Nota Fiscal in Brazilian context.

36.7.1 CREATE AND HANDLE PURCHASE ORDER

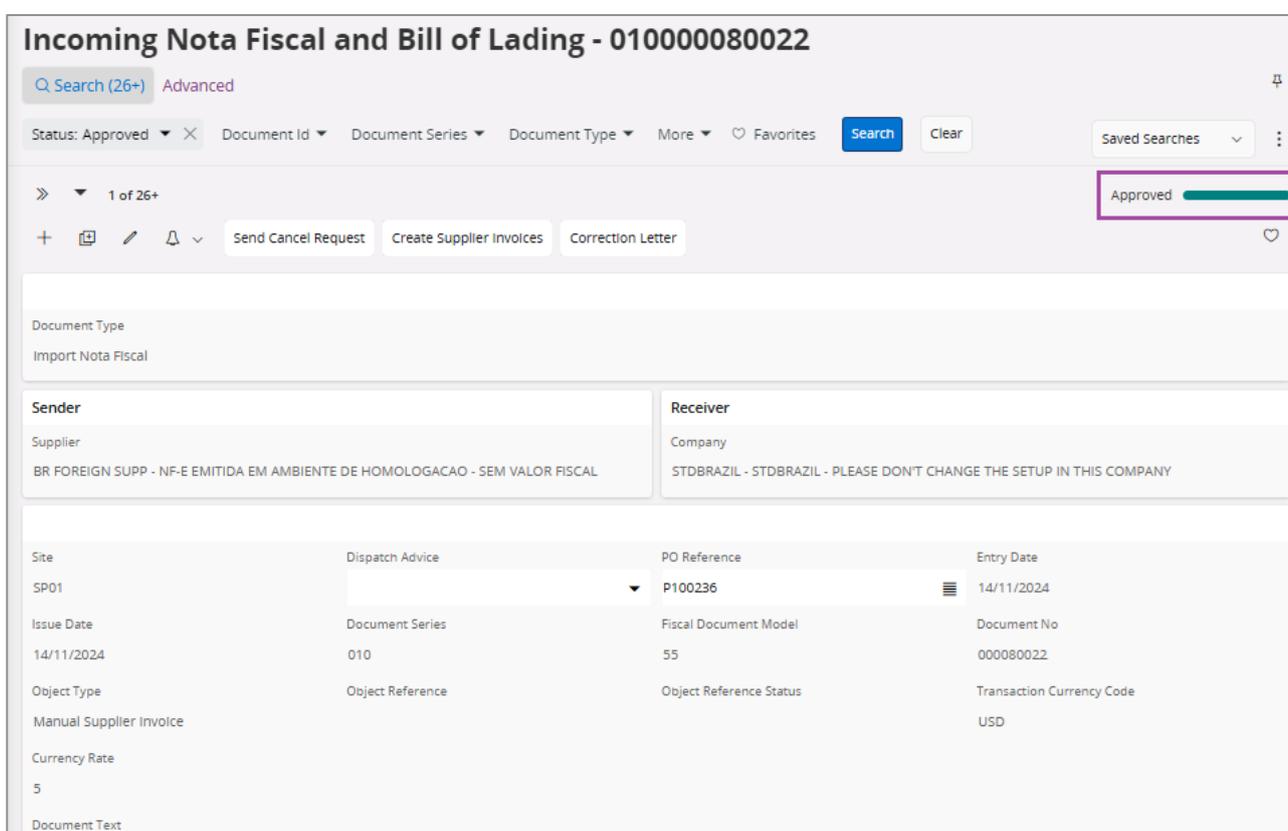
Follow the IFS standard Core process to enter a purchase order for inventory purchase parts in the **Procurement/Order/Purchase Order** page. Release and confirm purchase order.

36.7.2 Receive Incoming Goods and create the Incoming Nota Fiscal (Manually or Automatically)

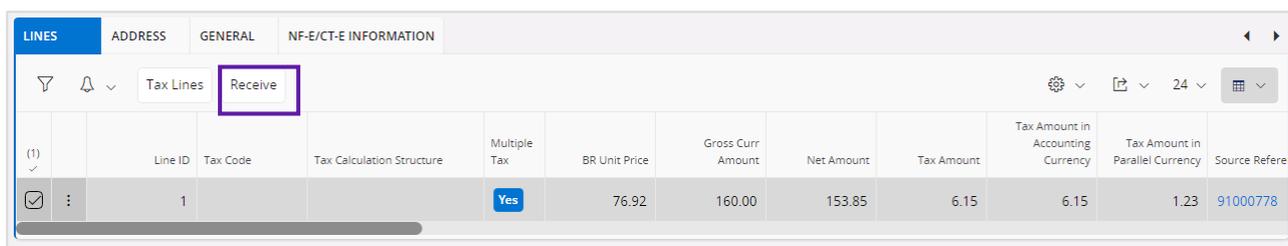
Use IFS Core External Supplier Invoice flow to load the incoming NF-e XML and create the NFe using **Create Nota Fiscal** command or create an Incoming Nota Fiscal manually.

36.7.3 APPROVE INCOMING NOTA FISCAL

The step of Approve incoming nota fiscal will validate whether the supplier is enabled for self-Billing.



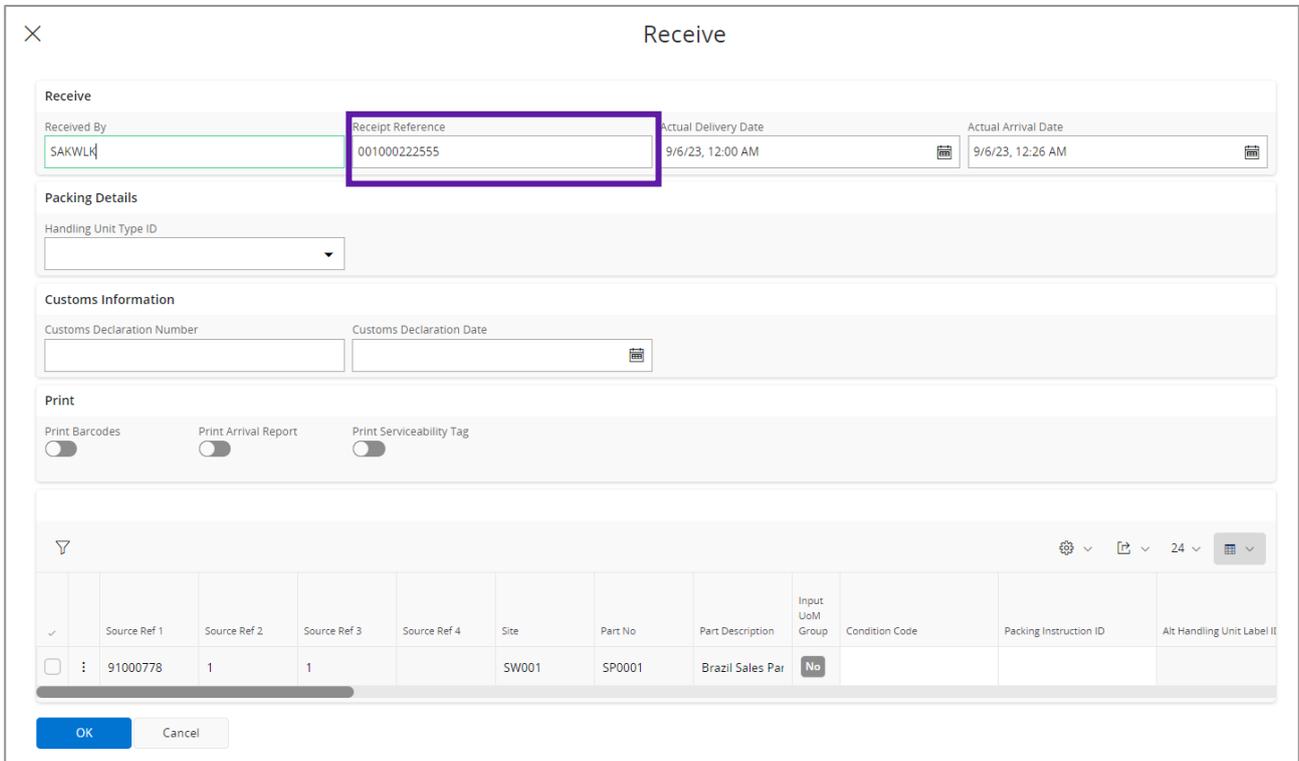
Further, upon approving the Nota Fiscal, “Receipt” button on the face of the **incoming Nota Fiscal** page will be enabled.



36.7.4 RECEIPT DIALOG

User could click the “Receive” button and application will pop up the core “Receive” Dialog facilitating user to enter receipts from this step.

In this step, Incoming Nota Fiscal No will be automatically fetched as the Receipt Reference which will enable direct cross reference between Incoming NF and the Receipt Reference by automatically filling the Receipt Ref as Incoming NF No.



Receive

Received By: SAKWLR | Receipt Reference: 001000222555 | Actual Delivery Date: 9/6/23, 12:00 AM | Actual Arrival Date: 9/6/23, 12:26 AM

Packing Details
Handling Unit Type ID: [Dropdown]

Customs Information
Customs Declaration Number: [Field] | Customs Declaration Date: [Calendar]

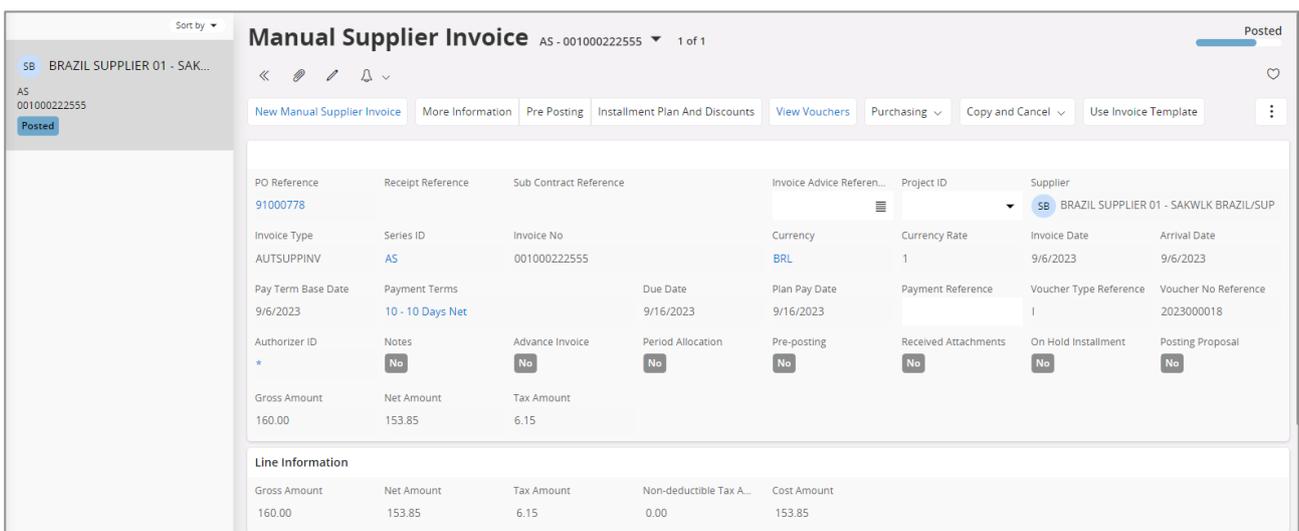
Print
Print Barcodes: [Off] | Print Arrival Report: [Off] | Print Serviceability Tag: [Off]

Source Ref 1	Source Ref 2	Source Ref 3	Source Ref 4	Site	Part No	Part Description	Input UoM Group	Condition Code	Packing Instruction ID	Alt Handling Unit Label ID
91000778	1	1		SW001	SP0001	Brazil Sales Par	No			

OK Cancel

36.7.5 CREATE MANUAL SUPPLIER INVOICE AUTOMATICALLY

Once the “Receipt” dialog is completed with all required information and click the OK button, Manual Supplier Invoice will be automatically created. (Core Self-Billing functionality).



Manual Supplier Invoice AS - 001000222555 1 of 1

SB BRAZIL SUPPLIER 01 - SAK...
AS
001000222555
Posted

PO Reference: 91000778 | Receipt Reference: 001000222555 | Sub Contract Reference: [Blank] | Invoice Advice Referen...: [Blank] | Project ID: [Blank] | Supplier: SB BRAZIL SUPPLIER 01 - SAKWLK BRAZIL/SUP

Invoice Type: AUTSUPPINV | Series ID: AS | Invoice No: 001000222555 | Currency: BRL | Currency Rate: 1 | Invoice Date: 9/6/2023 | Arrival Date: 9/6/2023

Pay Term Base Date: 9/6/2023 | Payment Terms: 10 - 10 Days Net | Due Date: 9/16/2023 | Plan Pay Date: 9/16/2023 | Payment Reference: [Blank] | Voucher Type Reference: I | Voucher No Reference: 2023000018

Authorizer ID: * | Notes: No | Advance Invoice: No | Period Allocation: No | Pre-posting: No | Received Attachments: No | On Hold Instalment: No | Posting Proposal: No

Gross Amount	Net Amount	Tax Amount	Non-deductible Tax A...	Cost Amount
160.00	153.85	6.15	0.00	153.85

36.7.6 SAME CROSS REFERENCE FOR THREE IMPORTANT DOCUMENTS

Once completed, the same reference number should exist for all the three documents: Incoming Nota Fiscal, Receipt Reference and the Manual Supplier Invoice.

36.8 Delimitations

Supplier Self-Billing in Subcontract Management is not supported in the Project Invoice – Initial Solution.

37 External Brazilian Reporting

37.1 Overview Legal Requirement

In Brazil the Legal Reporting are a mandatory official files that must be send Brazilian Federal Revenue Office. These files are related to taxes, accounting, inventory, services, etc.The official name for the legal reporting is “SPED Project”.

Public Digital Bookkeeping System (Sped). It is a technological solution that formalizes the digital files of taxes and accounting bookkeeping of business systems within a specific and standardized format.

Instituted by Decree No. 6,022, of January 22, 2007, the Public Digital Bookkeeping System (Sped) is part of the Federal Government's Growth Acceleration Program (PAC 2007-2010) and constitutes yet another advance in the computerization of relationship between the tax authorities and taxpayers.

Benefits:

- Reduction of costs with the waiver of issuance and storage of paper documents;
- Elimination of paper;
- Cost reduction with the rationalization and simplification of ancillary obligations;
- Standardization of the information that the taxpayer provides to the different federated units;
- Reduction of involuntary involvement in fraudulent practices;
- Reduction of time spent with the presence of tax auditors at the taxpayer's premises;
- Simplification and streamlining of procedures subject to control by the tax administration (foreign trade, special regimes and transit between states);
- Strengthening control and inspection through the exchange of information between tax administrations;
- Quick access to information;
- Increased auditor productivity by eliminating steps to collect files;
- Possibility of exchanging information between the taxpayers themselves based on a standard layout;
- Reduction of administrative costs;
- Improved quality of information.
- Possibility of crossing between accounting and tax data;
- Availability of authentic and valid copies of the bookkeeping for different and concomitant uses;
- Reduction of the "Brazil Cost";
- Improving the fight against tax evasion;
- Preserving the environment by reducing paper consumption.

Sped Project in Brazil:



On IFS Cloud we will provide some of these reports through integration with Avalara. The reports available are:

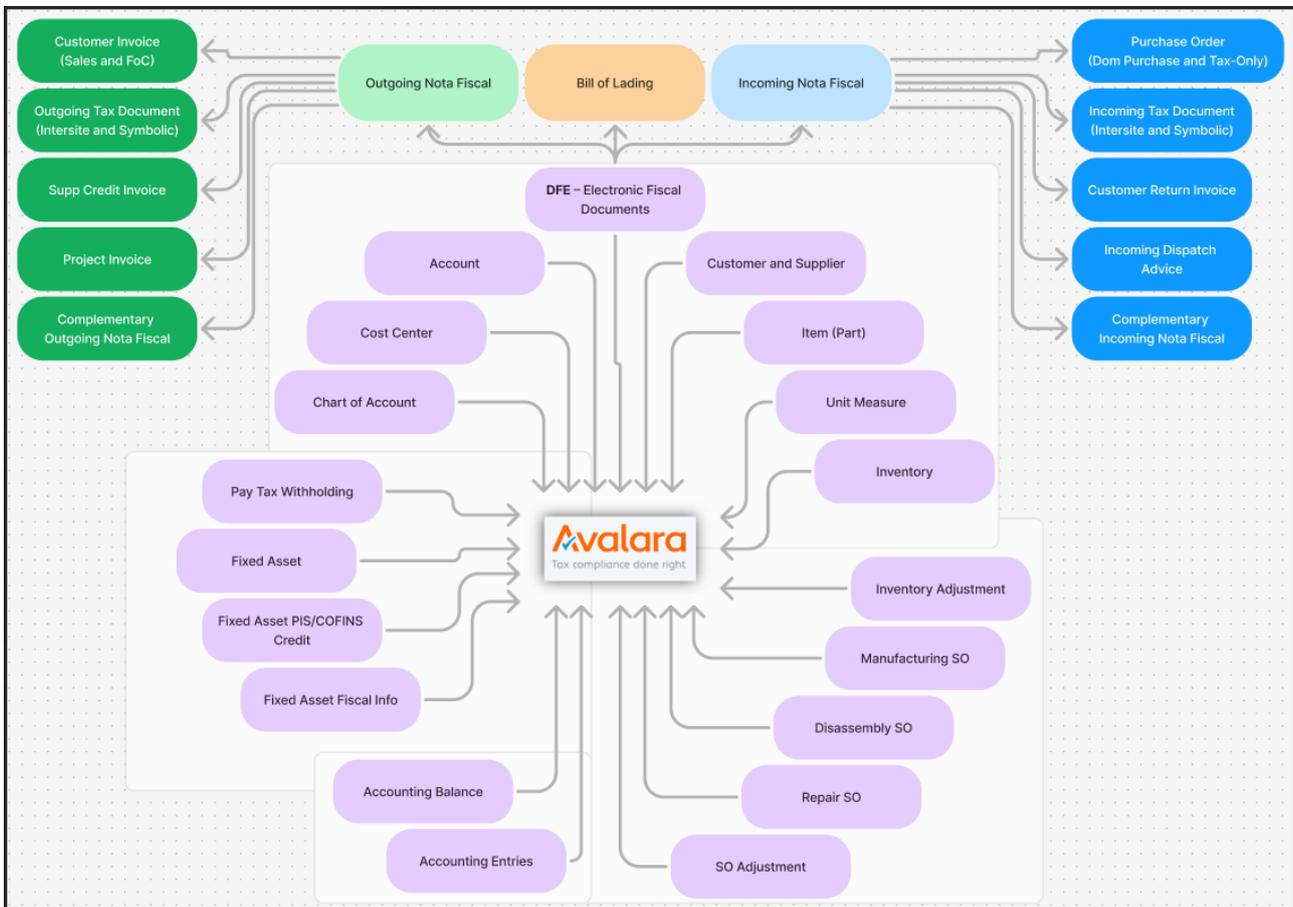
- NF-e – Electronic Nota Fiscal (chapters 19,20)
- CT-e – Bill of Lading (chapter 21)
- EFD ICMS / IPI
- EFD Contribuições
- EFD Reinf
- ECD
- ECF

37.2 Solution Overview

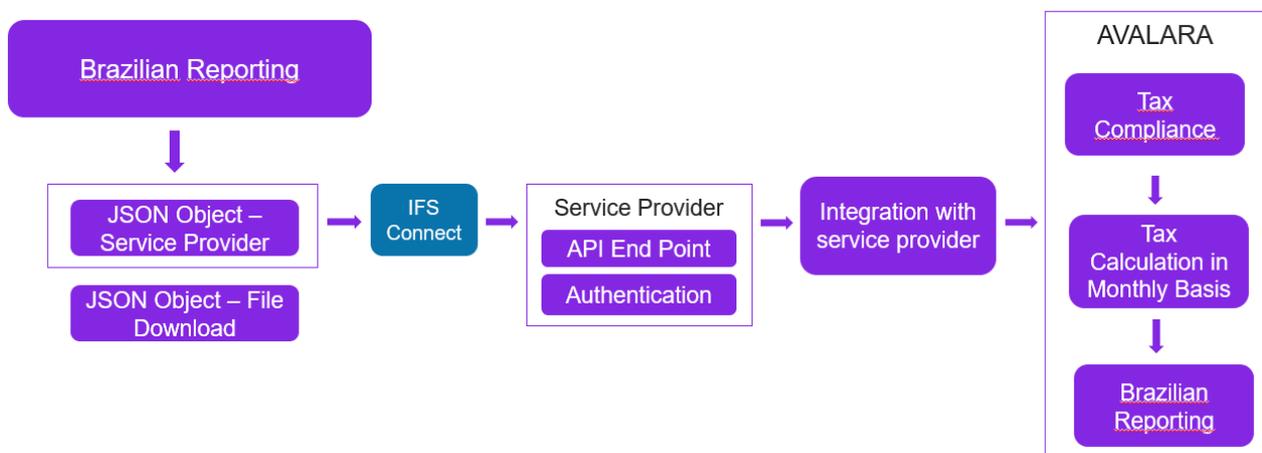
All tax/accounting reporting will be generated by the Avalara partner. Basic and transactional data will be sent from IFS to Avalara.

37.3 Process Overview

Flow Chart IFS's Source data to Avalara



Flow chart IFS Integration to Avalara



37.4 Prerequisites

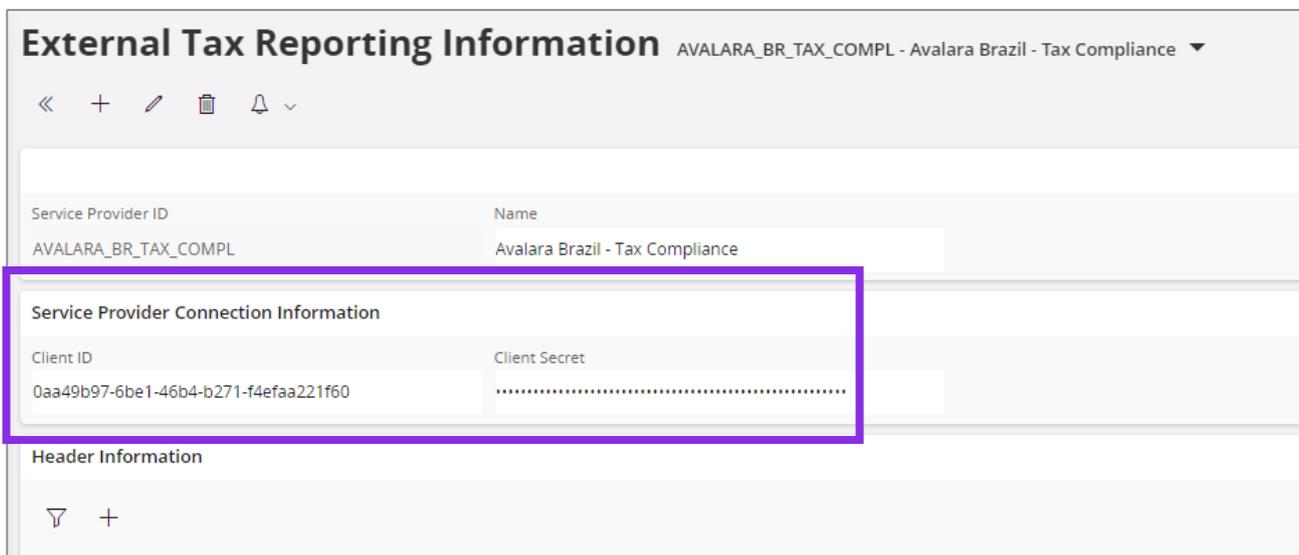
The company must be set-up to use Brazilian localization, see the Company Set up chapter. The “Integration to Brazilian External Tax System” parameter under the **Localization Control Center tab** must be enabled on the *Company/Localization Control Center* tab.

37.5 Define basic data

To utilize the IFS integration for Avalara, some basic data set up is required with regards to the Company.

37.5.1 EXTERNAL TAX SYSTEM PARAMETERS

The Avalara Brazil connection information is defined in page **Application Base Setup/Enterprise/Tax/External Tax Systems/External Tax Report Information**.



External Tax Reporting Information AVALARA_BR_TAX_COMPL - Avalara Brazil - Tax Compliance

Service Provider ID: AVALARA_BR_TAX_COMPL Name: Avalara Brazil - Tax Compliance

Service Provider Connection Information

Client ID: 0aa49b97-6be1-46b4-b271-f4efaa221f60 Client Secret:

Header Information

37.6 Brazilian Reporting

The Brazilian Report support master data and transaction data needed by Avalara

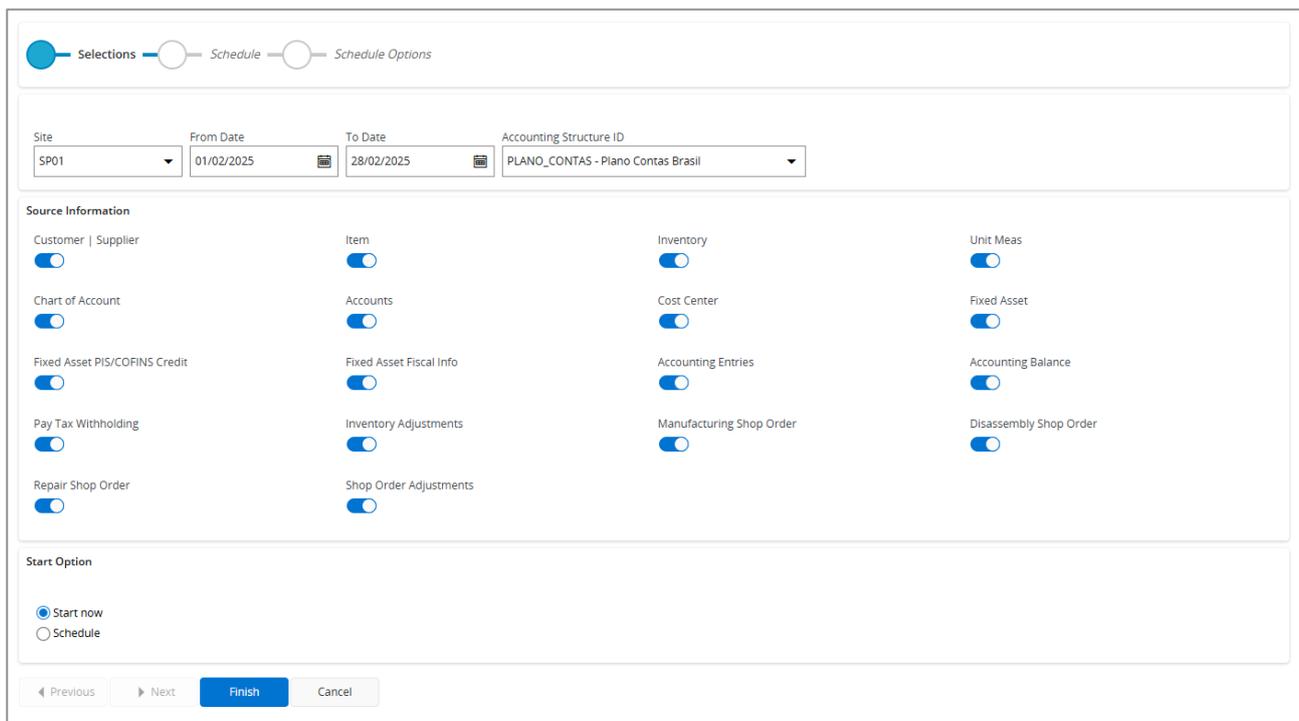
Master Data

- Chart of Account
- Account
- Cost Center for EFD PIS and Cofins
- Customer/Supplier
- Inventory and non-inventory part
- Unit meas/ Unit Meas Conv Factor
- Fixed Asset
- **Transaction data needed by Avalara**
 - Fiscal Document
 - Incoming Nota Fiscal
 - Outgoing Nota Fiscal
 - Bill of Lading

- Importation Process
 - Inventory Transactions
 - Fixed Asset Pis/Cofins Credit
 - Fixed Asset Fiscal Info
 - Payment of Tax Withholding
 - Accounting Entries
 - Accounting Balance
 - Inventory Adjustments
 - Manufacturing Shop Order
 - Disassembly Shop Order
 - Repair Shop Order
 - Shop Order Adjustments

37.6.1 MASTER / TRANSACTION DATA

37.6.1.1 Go to Financials/Financial e-Reporting/Brazilian Reporting / External Reporting select the Command “New Reporting”.



Can choose to send a single endpoint or all at once. The format of execution can be online or scheduled (background).

After sending the endpoints, they will be available on the **external reporting** page.

On this page, we will be able to view the status of the interface and if any correction is necessary and send it again. Possible statuses are: Created, SentRequest, Error, Partly Completed, Completed.

If an error occurs in one or more endpoints, it will be possible to adjust and send it again through resend reporting.

Obs: The accounting entries endpoint can only be executed in the background and within a single period (monthly) due to the large amount of data to be generated. Also, json files of 5000 lines at a time will be generated.

Obs.: To generate the **Inventory Adjustments** or any **Shop Order-related** endpoint:

- It is also necessary to generate the following endpoints as well: **Item, Unit Meas, and Inventory.**
- For By-Products:
It is required to finalize the Shop Order within the selected period.

External Reporting																							
New Reporting																							
Reporting id	Site	From Date	To Date	Accounting Structure ID	Customer Supplier	Item	Inventory	Unit Meas	Chart of Account	Accounts	Cost Center	Fixed Asset	Fixed Asset PIS-COFINS Credit	Fixed Asset Fiscal Info	Account... Entries	Account... Balance	Pay Tax Withholding	Created Date	User ID	Schedule id	Status		
56	SP01	8/19/2024	8/19/2024		No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	8/29/24, 2:38 PM	GN GUNABR		Error	
55	SP01	8/19/2024	8/19/2024		No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	8/28/24, 6:38 PM	GN GUNABR		Error	
54	SP01	7/1/2024	7/31/2024	PLANO_CONTAS	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	8/28/24, 1:37 AM	MAPEBR	265275	Completed		
53	SP01	8/16/2024	8/20/2024		No	No	No	No	No	No	No	No	No	No	No	No	Yes	8/26/24, 4:22 PM	GN GUNABR		Error		
52	SP01	8/20/2024	8/20/2024		No	No	No	No	No	No	No	No	No	No	No	No	Yes	8/26/24, 4:16 PM	GN GUNABR		Error		
51	SP01	7/1/2024	7/31/2024	PLANO_CONTAS	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	8/21/24, 4:00 PM	MAPEBR	265275	Completed		
50	SP01	8/1/2024	8/31/2024	PLANO_CONTAS	No	No	No	No	No	No	No	No	No	No	No	Yes	No	8/21/24, 3:55 PM	MAPEBR		Completed		
49	SP01	8/19/2024	8/19/2024		No	No	No	No	No	No	No	No	No	No	No	No	Yes	8/20/24, 3:05 PM	GN GUNABR		Error		
48	SP01	8/19/2024	8/19/2024		No	No	No	No	No	No	No	No	No	No	No	No	Yes	8/20/24, 2:58 PM	GN GUNABR		Error		

37.6.2 FISCAL DOCUMENT

Go to *Financials/Financial e-Reporting/Brazilian Reporting / Fiscal Document Log*:

Fiscal Document Log										
Fiscal Document ID	Fiscal Document Number	Fiscal Document Date	Fiscal Document Status	Fiscal Document Type	Site	Sent Date	Error Text	Status		
324	001000009	27/02/2024	Approved	Nota Fiscal	SP01	27/02/2024 09:40	"errors":{"localExecucaoServico":{"Local Execucao Servico' possui u...	Error		
322	001000007	27/02/2024	Cancelled	Nota Fiscal	SP01	27/02/2024 05:16	"errors":{"localExecucaoServico":{"Local Execucao Servico' possui u...	Error		
321	000061006	26/02/2024	Approved	Nota Fiscal	SP01	27/02/2024 02:13		Pending		
320	125586	27/02/2024	Approved	Nota Fiscal	SP01	27/02/2024 02:05		Pending		
318	001000005	26/02/2024	Cancelled	Nota Fiscal	SP01	26/02/2024 12:27	"errors":{"localExecucaoServico":{"Local Execucao Servico' possui u...	Error		
317	001000004	26/02/2024	Cancelled	Nota Fiscal	SP01	26/02/2024 12:27	"errors":{"localExecucaoServico":{"Local Execucao Servico' possui u...	Error		
316	000061005	26/02/2024	Approved	Nota Fiscal	SP01	26/02/2024 12:28		Completed		
315	001000003	26/02/2024	Approved	Nota Fiscal	SP01	26/02/2024 12:27	"errors":{"localExecucaoServico":{"Local Execucao Servico' possui u...	Error		
314	001000002	23/02/2024	Cancelled	Nota Fiscal	SP01	27/02/2024 05:09	"errors":{"localExecucaoServico":{"Local Execucao Servico' possui u...	Error		
313	313	23/02/2024	Approved	Nota Fiscal	SP01	23/02/2024 14:23		Completed		

The fiscal document page is filled in for each incoming and outgoing nota fiscal whose status is:

- Incoming Nota Fiscal (Goods / Services)
 - After the supplier invoice or customer return credit have been posted – Will be insert in Avalara System
 - Canceled Status – Will be delete in Avalara System
- Outgoing Nota Fiscal (Goods / Services/ Project)
 - Approved Status – Will be insert in Avalara System
 - Canceled, Voided, Declined Status – Will be change in Avalara System the nota fiscal Status
- Intersite Process (Outgoing / Incoming Nota Fiscal)
 - After the final inventory transactions have been posted

- Symbolic Outgoing / Incoming Nota Fiscal)
 - After the tax document has been posted

There are two method calls to integrate the tax document into the Avalara system. The first one is "POST" method which will validate endpoint structure errors, and the second method is "GET" which will validate data errors.

The format of execution for both methods are background jobs.

After sending the endpoint, they will be available on the **fiscal document log** page.

On this page, we will be able to view the status of the interface and if any correction is necessary and resend it again. Possible statuses are: Created, SentRequest, Error, Pending and Completed. The Completed Status is available just after to send GET method.

The resend option will be available in any status, and for the incoming nota fiscal, when the NF-e key or CEST code is changed, it will be possible to trigger the resend again.

37.6.3 CIAP BASIC DATA FOR ICMS AND PIS/COFINS CREDIT

37.6.3.1 Overview Legal Requirement

CIAP (Credit Control of Fixed Assets) is a record used within the scope of the Public Digital Bookkeeping System (SPED) in Brazil. SPED is a Brazilian government project that aims to modernize and unify companies' tax and accounting bookkeeping activities.

CIAP is part of Block G of SPED Fiscal, which deals with the Control of ICMS Credit for Permanent Assets. It is used to control and demonstrate ICMS credits related to the company's permanent assets, such as machinery, equipment and other assets used in production activities.

The idea behind CIAP is to allow companies to credit the ICMS paid on the acquisition of permanent assets over time, considering the depreciation of these assets. This way, the company can recover part of the tax paid in previous stages of the production chain. Therefore, the taxpayer who purchases item to compose the asset can use this physical report to perform the calculation of the credit of ICMS to be monthly appropriated referring to the acquisition of good of the fixed asset.

It is important that companies comply with SPED obligations, including correct CIAP basic data, to avoid tax problems and ensure transparency in accounting and tax operations.

Another point that we will also consider are the credits determined based on the acquisition value of goods incorporated into the fixed assets of the legal entity, acquired for use in the production of goods intended for sale, or in the provision of services that, depending on their nature, NCM, destination or date of acquisition, tax legislation allows the right to PIS/COFINS credit based on its acquisition value.

37.6.3.2 Process Overview

37.6.3.2.1 Fixed Asset Acquisition Process Overview



37.6.3.2.2 Fixed Asset Sale Process Overview



37.6.3.2.3 Fixed Asset Scrapping Process Overview

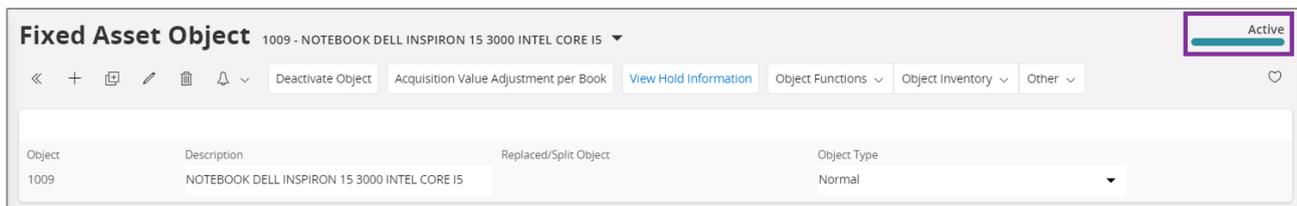


37.6.3.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter and the “Integration to Brazilian External Tax System”.

37.6.3.4 Define basic data

A Fixed Asset must be registered, and the IFS Cloud core functionalities must be executed until it reaches Active status.



The incoming nota fiscal related to the acquisition of the fixed asset must be previously entered into the application and sent to the third-party system integrator.

The outgoing nota fiscal for the fixed asset must be previously entered into the application and sent to the third-party system integrator.

37.6.3.5 CIAP Basic Data

It is necessary to fill below fields on the **Financials \ Financial e-Reporting \ Brazilian Reporting \ CIAP Basic Data** page:

CIAP Basic Data 1008

Fixed Asset

Object Id: 1008 - CAMINHÃO CONSTELLATION - VOLKSWAGEN | Status: Active

General

Total Installments: 48 | ICMS Amount: | Observation:

Issued by Outgoing Nota Fiscal

Outgoing Fiscal No... | Nota Fiscal No | Nota Fiscal Series

Connected Incoming Fiscal Documents

Fiscal Document ID	Document No	Document Series	Document Type	Line ID	Quantity	ICMS Credit Amount	Sender Id	Sender Name	Part Description	ICMS Amount	Line Total Amount
(No data)											

Object Id: Enter the Fixed Asset code which will initiate the credit process for ICMS and PIS/COFINS purposes. Only fixed assets with the Active status will be displayed.

Total Installments: Enter the Total Number of Installments that will be used to calculate the CIAP credit by the third-party system.

ICMS Amount: Enter the total value of ICMS with rights to the tax credit for the fixed asset. This total ICMS value is also automatically filled in, totaling the total ICMS of the notes connected in the Connector Incoming Fiscal Documents session.

Observation: Enter a brief description of the function of the asset in the site's activity.

It is necessary to enter the incoming fiscal documents received regarding the acquisition of the fixed assets in the gridline below:

CIAP Basic Data 1008

Fixed Asset

Object Id: 1008 - CAMINHÃO CONSTELLATION - VOLKSWAGEN | Status: Active

General

Total Installments: 48 | ICMS Amount: | Observation:

Issued by Outgoing Nota Fiscal

Outgoing Fiscal No... | Nota Fiscal No | Nota Fiscal Series

Connected Incoming Fiscal Documents

Fiscal Document ID	Document No	Document Series	Document Type	Line ID	Quantity	ICMS Credit Amount	Sender Id	Sender Name	Part Description	ICMS Amount	Line Total Amount
195	550000005	1	Nota Fiscal	5	5	63000.00	RCA SUPP	RCA SUPP - NF-E E...	Compra Ativo	63000.00	350000

You can connect the incoming fiscal documents to the fixed asset by manually entering information about the **Fiscal Document ID** and the **Line ID** fields. In this case, the remaining information will be automatically filled, both for incoming fiscal documents and for bill of lading.

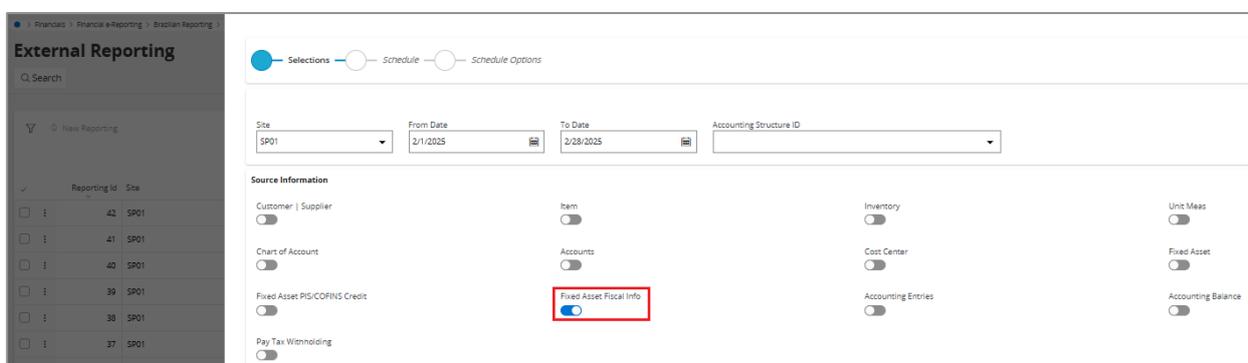
The **ICMS Credit Amount** field contains the tax credit for given fixed asset in this fiscal note line. The value informed in such column will be added in the **ICMS Amount** field present in the header of the CIAP Basic Data/General tab. In necessary, it is possible to change de value recovered from the respective line of the fiscal note.

You can also modify the information of **Quantity** field in case acquisition of such fixed asset is related to only a part of the total quantity of this item in fiscal note line. The rest can also be connected to another fixed asset if you want.

This movement will be sent to the third-party system integrator with the Type: **IM - Immobilization of individual assets**, referring to the first installment based on the acquisition of the fixed asset.

This IM type indicates the initial movement of the fixed asset, and from there, the third-party system integrator will control the CIAP for all other installments, until it reaches the end of the useful life of the fixed asset and the credit to be taken for this fixed asset ends, where the third-party system integrator will write off and close this fixed asset, generating the movement **BA - Asset write-off - End of appropriation period** in SPED Fiscal - Block G.

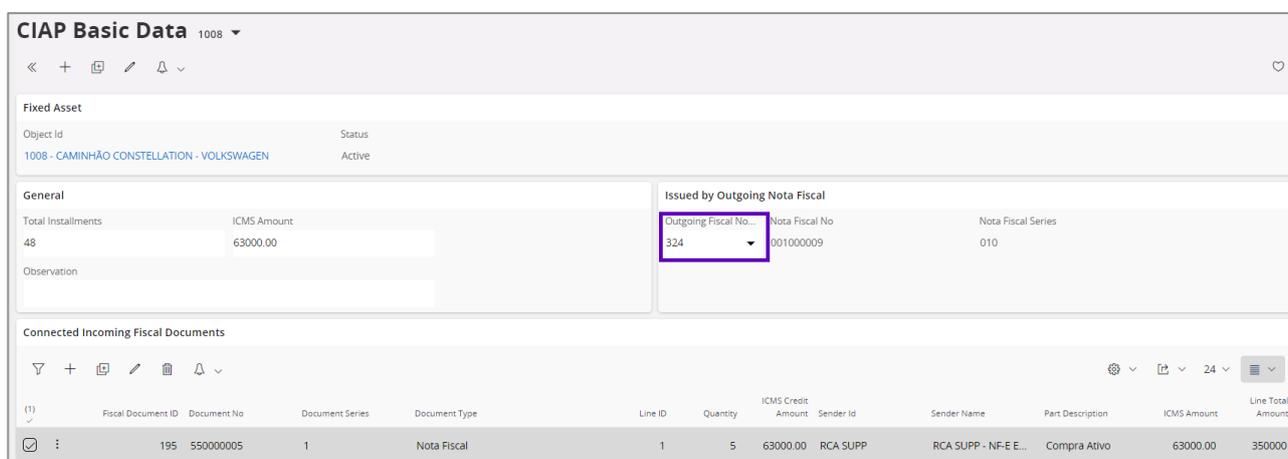
This initial IM movement will be sent to the third-party system integrator through the option below:



The screenshot shows the 'External Reporting' configuration page. Under the 'Source Information' section, the 'Fixed Asset Fiscal Info' toggle is turned on and highlighted with a red box. Other toggles include Customer | Supplier, Inventory, Chart of Account, Accounts, Fixed Asset PIS/COFINS Credit, Pay Tax Withholding, Item, Cost Center, Accounting Entries, Unit Meas, Fixed Asset, and Accounting Balance.

If IFS customer has other fixed assets that are already in the process of appropriating the credit in its current ERP and the current portion calculated is after 1, that is, the acquisition occurred in the past, then the movements referring to the Type: **SI - Initial balance of fixed assets** for these fixed assets that are already in the process of appropriating the ICMS credit must be imported directly into the third-party system integrator, informing the information of the last appropriate installment for each fixed asset in the customer's current ERP, so that in this way, the third-party system integrator will be able to calculate the other installments until the end of the appropriation period.

You can enter the below information if the fixed asset was sold:



The screenshot shows the 'CIAP Basic Data' form for a fixed asset. The 'Outgoing Fiscal No.' field is highlighted with a purple box. The form includes sections for Fixed Asset details, General information, Issued by Outgoing Nota Fiscal, and Connected Incoming Fiscal Documents.

Fiscal Document ID	Document No	Document Series	Document Type	Line ID	Quantity	ICMS Credit Amount	Sender Id	Sender Name	Part Description	ICMS Amount	Line Total Amount
195	550000005	1	Nota Fiscal	1	5	63000.00	RCA SUPP	RCA SUPP - NF-E...	Compra Ativo	63000.00	350000

Outgoing Fiscal Note Id: Enter the Fiscal Note Id of the fixed asset sold. With this, the movement of the sale of the fixed asset with the movement type **AT - Alienation or Transfer** will be sent through the **Fixed Asset Fiscal Info** toggle on the External Reporting page.

When the third-party system integrator receives this transaction related to the sale of the fixed asset, it will write off and close the right to credit for this fixed asset.

If the fixed asset is scrapped, the core processes must be used via the Scrap Object option on the Fixed Asset Object page. With this, the movement type **PE - Perishment, Loss or Deterioration** will be sent through the same **Fixed Asset Fiscal Info** toggle on the External Reporting page.

When third-party system integrator receives this transaction related to the scrapping, loss, deterioration, etc. of the fixed asset, it will write off and close the right to credit for this fixed asset.

37.6.4 INTEGRATION OF TAX WITHHOLDING FOR THIRD PARTY SYSTEM

37.6.4.1 Filter for sending taxes withheld on the Incoming Nota Fiscal

The export will be done by filtering by the Entry Date of the Incoming Nota Fiscal. The withholdings tax codes existing within the Tax Lines, Withholding command button of the Manual Supplier Invoice connected to this Incoming Nota Fiscal defined as **Invoice Entry** in the **Tax Method Tax Received** field of the Tax Codes page will be exported, since a Payment ID has already been previously created on the Supplier Payment Analysis page with the Payment Type: **Supplier Tax Withholding**, after posting the manual supplier invoice.

Tax Lines, Withholding option on Incoming Nota Fiscal:

Line Details							
							
✓	Tax Code	Tax Type	Withholding Base Amount	Tax %	Tax Amount	Tax Amount in Accounting Currency	Tax Amount in Parallel Currency
<input type="checkbox"/>	COFINSRET	Tax Withhold	169.58	3	5.09	5.09	1.02
<input type="checkbox"/>	CSSLRET	Tax Withhold	169.58	1	1.70	1.70	0.34
<input type="checkbox"/>	INSSRET	Tax Withhold	169.58	0	0.00	0.00	0.00
<input type="checkbox"/>	IRPJRET	Tax Withhold	169.58	0	0.00	0.00	0.00
<input type="checkbox"/>	IRRFRET	Tax Withhold	169.58	1.5	2.54	2.54	0.51
<input type="checkbox"/>	PISRET	Tax Withhold	169.58	0.65	1.10	1.10	0.22

37.6.4.2 Filter for sending taxes withheld on payment of Manual Supplier Invoice

The export will be done by filtering by Payment Date from Supplier Payment Analysis, for Payment Type: **Automatic Payment** and **Supplier Payment**. Each record from Supplier Payment Analysis is connected to an Installment from Manual Supplier Invoice with Status: **Paid** or **Partly Paid**, and the withholdings tax codes of these installments will be considered in the export, being those calculated after payment of the manual supplier invoice.

When the payment of the installment is made by Supplier Payment Orders page: A Payment ID is generated in Supplier Payment Analysis page with Payment Type: **Automatic Payment**.

In this flow, the withholdings calculated on the payment can be seen on the Supplier Payment Proposal Details page \ Details tab \ Select the line and click on the Tax Lines, Withholding command button.

After confirming the proposal and creating the Supplier Payment Order, it is no longer possible to see the individualized withholdings tax codes, showing only the total amount withheld in the payment of the installment in question.

However, the export will be done individually for each withholding tax code defined as **Payment** in the **Tax Method Tax Received** field on the Tax Codes page, which are the withholdings that are considered by default by Core in the payment of the installment of the Manual Supplier Invoice.

When the installment payment is made by Mixed Payment page: A Payment ID is generated in Supplier Payment Analysis with Payment Type: **Supplier Payment**.

In this flow, the withholdings calculated in the payment can be seen within Mixed Payment, which is also connected to Supplier Payment Analysis \ Transactions Tab \ Transaction Details Session \ Select the line and click on the View Transactions button \ Select the line in the Matched Transactions Details session \ Tax Lines, Withholding command button, where the withholdings tax codes calculated for the installment in question are shown and individualized, ready to be exported.

Tax Lines, Withholding option on Manual Supplier Invoice payment:

Line Details											
<input type="checkbox"/>											
✓	Modify Tax	Tax Code	Income Type	Tax Base Amount	Prel Tax Amount	Prel Tax Amount In Acc Curr	Prel Withheld Tax Amount In Parallel Curr	New Tax Amount	New Tax Amount In Acc Curr	New Withheld Tax Amount In Parallel Curr	
<input type="checkbox"/>	No	COFINSRET-INCOMING	BR-INCOMET...	1920.00				57.60	57.60	11.52	
<input type="checkbox"/>	No	CSLLRET-INCOMING	BR-INCOMET...	1920.00				19.20	19.20	3.84	
<input type="checkbox"/>	No	PISRET-INCOMING	BR-INCOMET...	1920.00				12.48	12.48	2.50	

37.6.4.3 Filter for sending taxes withheld in the Outgoing Nota Fiscal

The export will be done by filtering by the Issue Date of the Outgoing Nota Fiscal. The withholdings tax codes existing within the Tax Lines, Withholding command button of the Customer Invoice connected to this Outgoing Nota Fiscal defined as **Invoice Entry** in the **Tax Method Tax Disbursed** field of the Tax Codes page will be exported, since a Payment ID has already been previously created on the Customer Payment Analysis page with the Payment Type: **Customer Tax Withholding**, after posting the customer invoice.

Tax Lines, Withholding option on Outgoing Nota Fiscal:

Line Details							
✓	Tax Code	Tax Type	Withholding Base Amount	Tax %	Tax Amount	Tax Amount In Accounting Currency	Tax Amount In Parallel Currency
<input type="checkbox"/>	COFINSRET	Tax Withhold	169.58	3	5.09	5.09	1.02
<input type="checkbox"/>	CSLLRET	Tax Withhold	169.58	1	1.70	1.70	0.34
<input type="checkbox"/>	INSSRET	Tax Withhold	169.58	0	0.00	0.00	0.00
<input type="checkbox"/>	IRPJRET	Tax Withhold	169.58	0	0.00	0.00	0.00
<input type="checkbox"/>	IRRFRET	Tax Withhold	169.58	1.5	2.54	2.54	0.51
<input type="checkbox"/>	PISRET	Tax Withhold	169.58	0.65	1.10	1.10	0.22

37.6.4.4 Filter for sending taxes withheld on Customer Invoice payment

The export will be done by filtering by the Payment Date from Customer Payment Analysis, for Payment Type: **Customer Payment** and **Customer Automatic Payment**. Each Customer Payment Analysis record is connected to a Customer Invoice Installment with Status: **Paid** or **Partly Paid**, and the withholdings tax codes of these installments will be considered in the export, being those calculated after the customer invoice payment.

When the installment payment is made by Mixed Payment page: A Payment ID is generated in Customer Payment Analysis with Payment Type: **Customer Payment**.

In this flow, the withholdings calculated on the payment can be seen within Mixed Payment, which is also connected to Customer Payment Analysis \ Transactions Tab \ Transaction Details Session \ Select the line and click on the View Transactions button \ Select the line in the Matched Transactions Details session \ Tax Lines, Withholding button, where the withholdings tax codes calculated for the installment in question are shown and individualized, ready to be exported.

When the installment payment is made by Customer Payment Orders page: A Payment ID is generated in Customer Payment Analysis with the Payment Type: **Customer Automatic Payment**.

In this flow, the withholdings calculated on the payment can be seen on the Customer Payment Proposal Details page \ Details Tab \ Select the line and click on the Tax Lines, Withholding button.

After confirming the proposal and creating the Customer Payment Order, it is no longer possible to see the individualized withholdings/tax codes, showing only the total amount withheld in the payment of the installment in question, however the export will need to be done individually for each withholding/tax code defined as **Payment** in the **Tax Method Tax Disbursed** field on the Tax Codes page, which are the withholdings that by default are considered by Core in the payment of the installment of the Customer Invoice.

Tax Lines, Withholding option on Customer Invoice payment:

Line Details										
	Modify Tax	Tax Code	Income Type	Tax Base Amount	Prel Tax Amount	Prel Tax Amount In Acc Curr	Prel Withheld Tax Amount In Parallel Curr	New Tax Amount	New Tax Amount In Acc Curr	New Withheld Tax Amount In Parallel Curr
<input type="checkbox"/>	No	COFINSRET	BR-INCOMET...	2983.16				89.49	89.49	17.90
<input type="checkbox"/>	No	CSLLRET	BR-INCOMET...	2983.16				29.83	29.83	5.97
<input type="checkbox"/>	No	PISRET	BR-INCOMET...	2983.16				19.39	19.39	3.88

37.6.5 FCI – Import Content File

37.6.5.1 Overview Legal Requirement

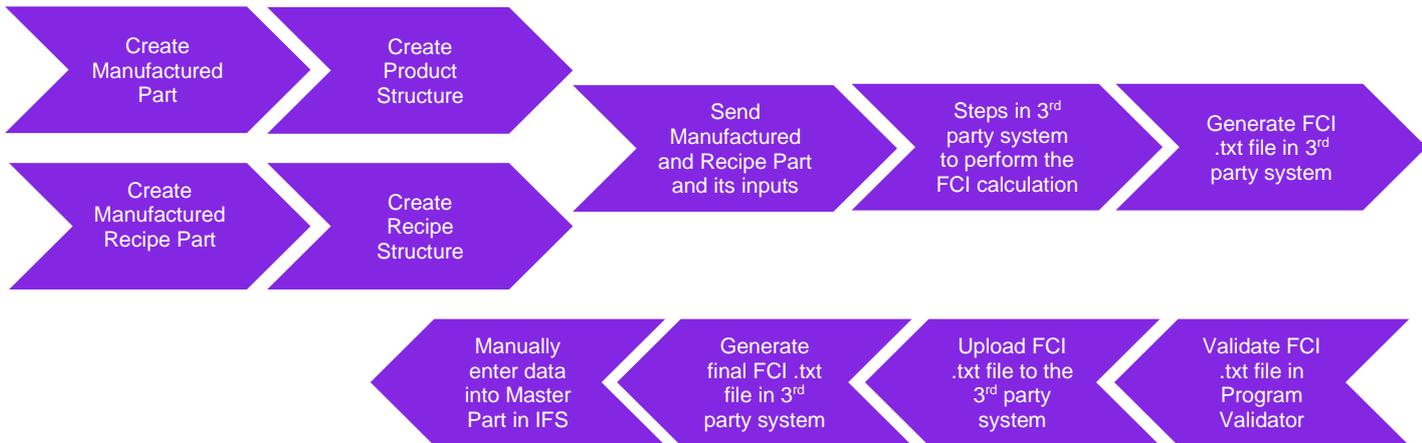
FCI - Import Content File is a control introduced by the Brazilian government to track the use of special ICMS tax percentage when the product is sold, between states, has some portion of imported material on its manufacturing.

The calculation of the imported content for manufactured products considers the notas fiscais for the acquisition of production inputs (component parts in the structure of the manufactured products) versus the interstate sales of the manufactured product using as a reference the second period before the current period. In such cases, before selling the finished product, it is necessary to calculate the percentage of imported material used during the manufacturing process and classify the finished product accordingly.

This classification is sent to the Brazilian government, using a .txt file, to request the FCI hash code for each finished product. When the Brazilian government returns the file with the FCI hash code, this information must be recorded and included in the Nota Fiscal XML file, in a specific tag. This FCI hash code contains all the details of the imported content of the manufactured products, allowing control and authorizing the use of this special ICMS tax rate at a reduced value in interstate transactions.

In IFS Cloud, all of this will be controlled by the third-party system, so they will be the ones who will calculate the FCI according to the notas fiscais we have already sent to them and, for this to happen, some data such as the structure of manufactured parts and manufactured recipe must be previously sent to the third-party system so that they can calculate the FCI and generate the .txt to be submitted to the validator program provided by the Brazilian Government.

37.6.5.2 Process Overview

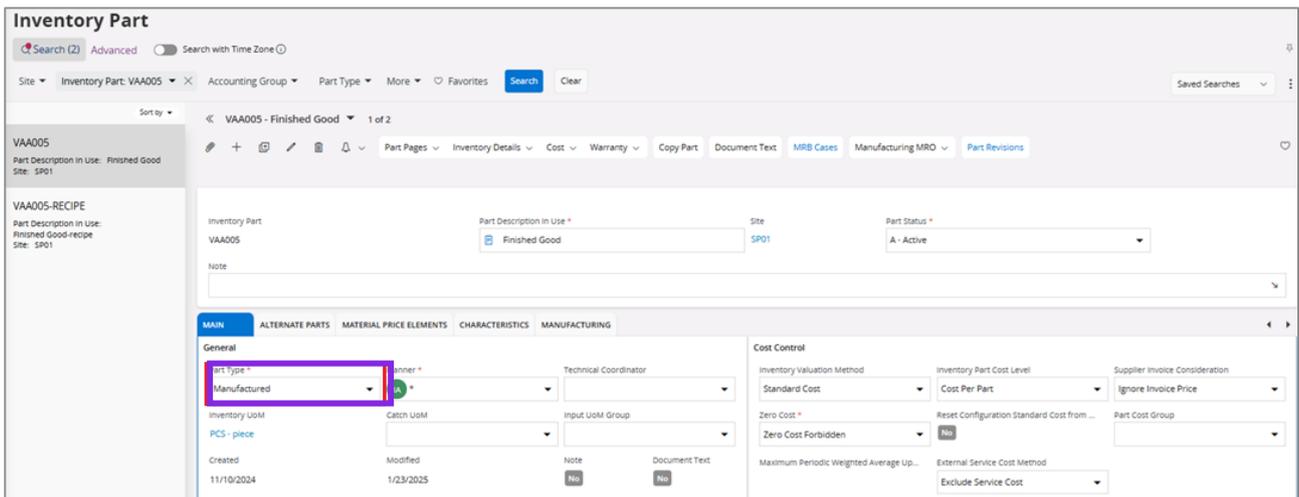


37.6.5.3 Prerequisites

The company must be set-up to use Brazilian localization, see the Company Set-Up chapter and the “Integration to Brazilian External Tax System”.

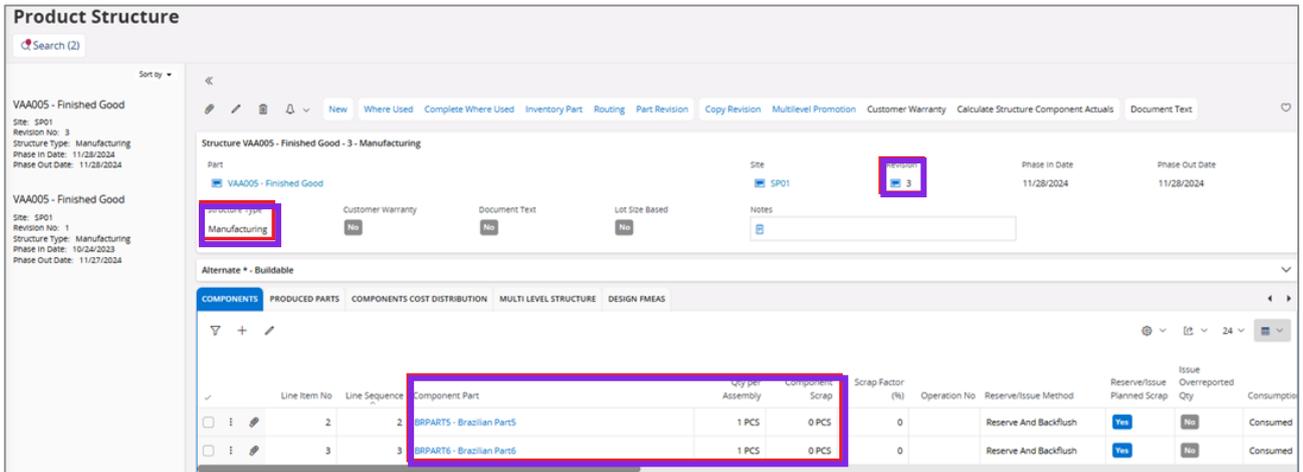
37.6.5.4 Define basic data

Manufactured parts must be previously registered on the Inventory Part page, set to **Manufactured** in the Part Type field:



The screenshot shows the 'Inventory Part' configuration page for part VAA005. The 'Part Type' field is highlighted with a red box and set to 'Manufactured'. Other visible fields include 'Part Description In Use' (Finished Good), 'Site' (SP01), and 'Part Status' (A - Active). The 'General' tab is active, showing various configuration options for inventory valuation and cost control.

The structure of the main parts set to manufactured with its respective inputs must be registered on the Product Structure page. The structure defined with the Structure Type: **Manufacturing** will be considered, as well as the last revision of the structure is the one that will be considered, as can be checked through the Revision field:



Product Structure

Search (2)

Sort by

VAA005 - Finished Good
Site: SP01
Revision No: 3
Structure Type: Manufacturing
Phase In Date: 11/28/2024
Phase Out Date: 11/28/2024

VAA005 - Finished Good
Site: SP01
Revision No: 1
Structure Type: Manufacturing
Phase In Date: 10/24/2023
Phase Out Date: 11/27/2024

Structure VAA005 - Finished Good - 3 - Manufacturing

Part: VAA005 - Finished Good

Site: SP01

Revision: 3

Phase In Date: 11/28/2024

Phase Out Date: 11/28/2024

Structure Type: Manufacturing

Customer Warranty: No

Document Text: No

Lot Size Based: No

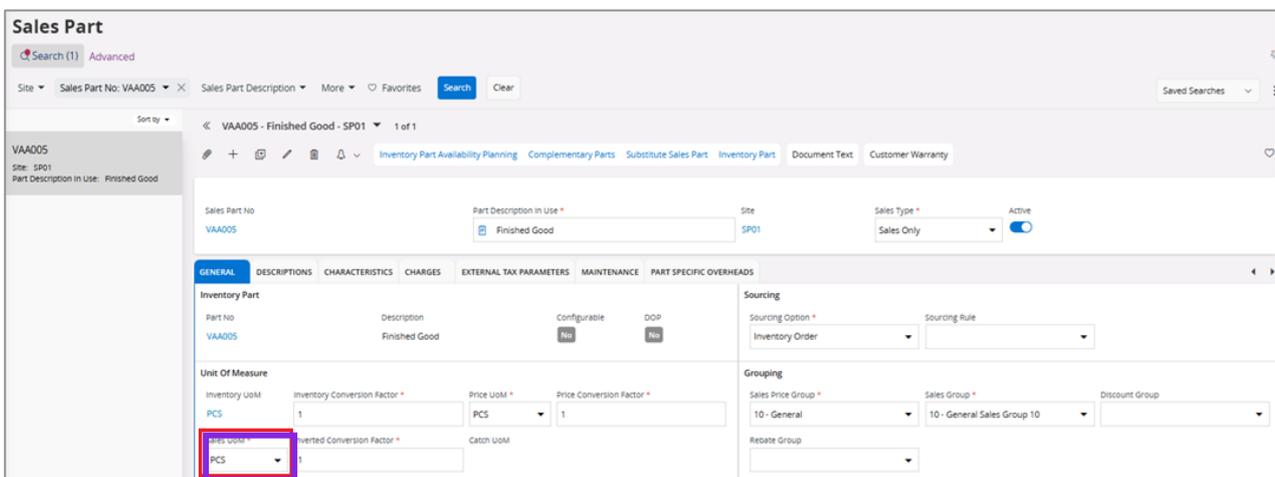
Notes:

Alternate * - Buildable

COMPONENTS PRODUCED PARTS COMPONENTS COST DISTRIBUTION MULTI LEVEL STRUCTURE DESIGN FMEAS

Line Item No	Line Sequence	Component Part	Copy/Assembly	Component Scrap	Scrap Factor (%)	Operation No	Reserve/Issue Method	Reserve/Issue Planned Scrap	Issue Overreported Qty	Consumption
2	2	BRPARTS - Brazilian Parts	1 PCS	0 PCS	0		Reserve And Backflush	Yes	No	Consumed
3	3	BRPART6 - Brazilian Part6	1 PCS	0 PCS	0		Reserve And Backflush	Yes	No	Consumed

The main parts must also be registered on the Sales Part page, with the Sales UoM being used as the sales unit of measure for the FCI:



Sales Part

Search (1) Advanced

Site: Sales Part No: VAA005

Sales Part Description: Finished Good

Site: SP01

Sales Type: Sales Only

Active

GENERAL DESCRIPTIONS CHARACTERISTICS CHARGES EXTERNAL TAX PARAMETERS MAINTENANCE PART SPECIFIC OVERHEADS

Inventory Part

Part No: VAA005

Description: Finished Good

Configurable: No

DOP: No

Sourcing

Sourcing Option: Inventory Order

Sourcing Rule:

Unit of Measure

Inventory UoM: PCS

Inventory Conversion Factor: 1

Price UoM: PCS

Price Conversion Factor: 1

Sales UoM: PCS

Inverted Conversion Factor: 1

Catch UoM:

Grouping

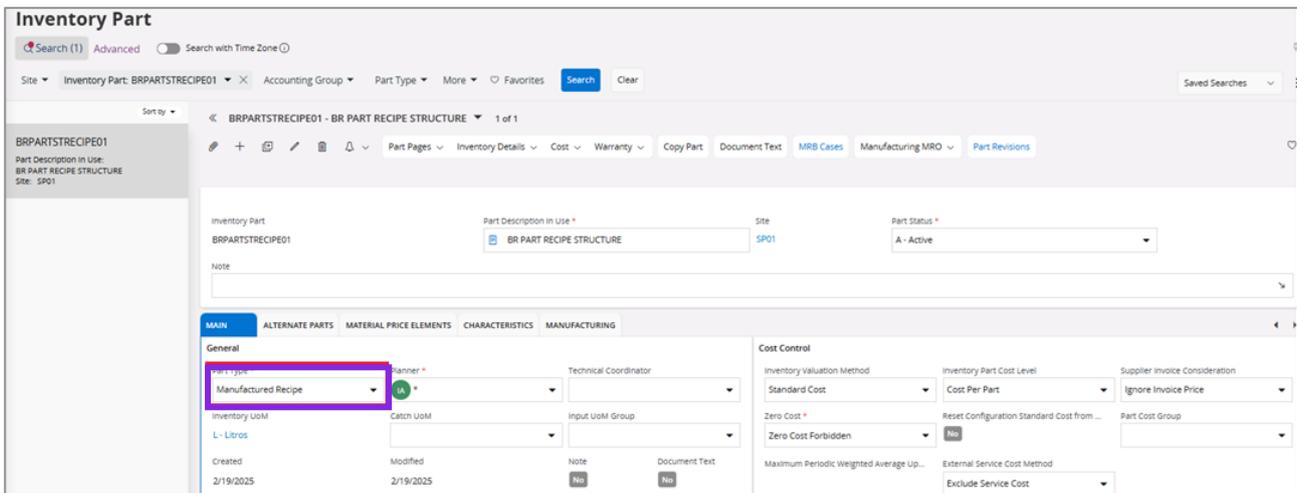
Sales Price Group: 10 - General

Sales Group: 10 - General Sales Group 10

Discount Group:

Rebate Group:

Manufactured Recipe parts must be previously registered on the Inventory Part page, set to **Manufactured Recipe** in the Part Type field:



Inventory Part

Site: Inventory Part: BRPARTSTRECIPE01 | Accounting Group | Part Type | More | Favorites | Search | Clear

Sort by: << BRPARTSTRECIPE01 - BR PART RECIPE STRUCTURE | 1 of 1

BRPARTSTRECIPE01
Part Description in Use: BR PART RECIPE STRUCTURE
Site: SP01

Inventory Part: BRPARTSTRECIPE01 | Part Description in Use: BR PART RECIPE STRUCTURE | Site: SP01 | Part Status: A - Active

MAIN | ALTERNATE PARTS | MATERIAL PRICE ELEMENTS | CHARACTERISTICS | MANUFACTURING

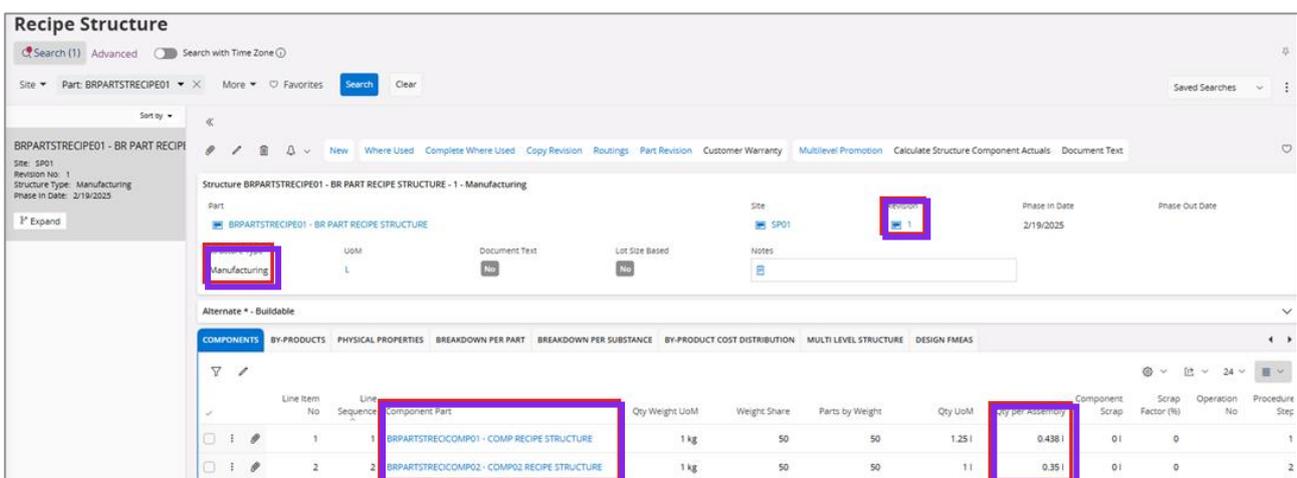
General

Part Type: **Manufactured Recipe** | Banner: IA | Technical Coordinator: | Inventory UoM: L - Litros | Catch UoM: | Input UoM Group: | Created: 2/19/2025 | Modified: 2/19/2025 | Note: No | Document Text: No

Cost Control

Inventory Valuation Method: Standard Cost | Inventory Part Cost Level: Cost Per Part | Supplier Invoice Consideration: Ignore Invoice Price | Zero Cost: No | Zero Cost Forbidden: No | Maximum Periodic Weighted Average Up: | External Service Cost Method: Exclude Service Cost

For the parts set to Manufactured Recipe on the Inventory Part page, the structure of the main part with its respective inputs must be registered on the Recipe Structure page. The structure defined with the Structure Type: **Manufacturing** will be considered, as well as the last revision of the structure is the one that will be considered, as can be checked through the Revision field:



Recipe Structure

Site: Part: BRPARTSTRECIPE01 | More | Favorites | Search | Clear

Sort by: << BRPARTSTRECIPE01 - BR PART RECIPE STRUCTURE

BRPARTSTRECIPE01 - BR PART RECIPE STRUCTURE
Site: SP01
Revision No: 1
Structure Type: Manufacturing
Phase In Date: 2/19/2025

Structure: BRPARTSTRECIPE01 - BR PART RECIPE STRUCTURE - 1 - Manufacturing

Part: BRPARTSTRECIPE01 - BR PART RECIPE STRUCTURE | Site: SP01 | Revision: 1 | Phase In Date: 2/19/2025

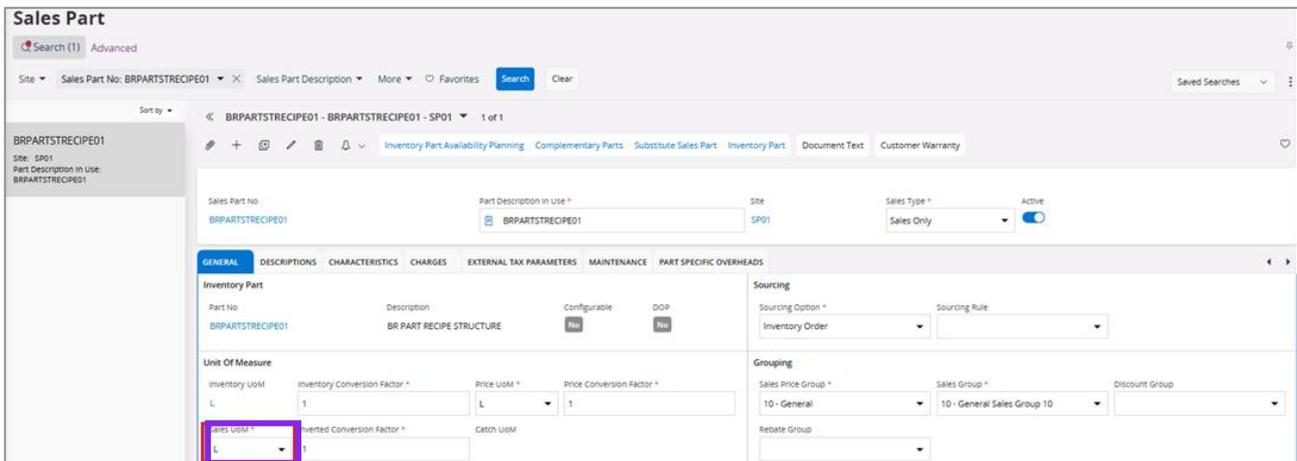
UoM: L | Document Text: No | Lot Size Based: No | Notes: No

Alternate: Buildable

COMPONENTS | BY PRODUCTS | PHYSICAL PROPERTIES | BREAKDOWN PER PART | BREAKDOWN PER SUBSTANCE | BY-PRODUCT COST DISTRIBUTION | MULTI LEVEL STRUCTURE | DESIGN FMEAS

Line Item	No	Sequence	Component Part	Qty	Weight UoM	Weight Share	Parts by Weight	Qty UoM	Qty per Assembly	Component Scrap	Scrap Factor (R)	Operation No	Procedure Step
1	1	1	BRPARTSTRECIPECOMP01 - COMP RECIPE STRUCTURE	1	kg	50	50	1.25	0.438	0	0	0	1
1	2	2	BRPARTSTRECIPECOMP02 - COMP02 RECIPE STRUCTURE	1	kg	50	50	1	0.351	0	0	0	2

The main parts must also be registered on the Sales Part page, with the Sales UoM being used as the sales unit of measure for the FCI:



The screenshot shows the 'Sales Part' configuration page for part 'BRPARTSTRECEI01'. The 'Unit Of Measure' section is highlighted with a red box, showing 'Inventory UoM' as 'L' and 'Sales UoM' as 'L'. Other fields include 'Part Description in Use' as 'BR PART RECIPE STRUCTURE', 'Site' as 'SP01', and 'Sales Type' as 'Sales Only'.

Example of a json file used to send a part and its components/inputs to the third-party system:

```

{
  "Codigo": "BRPARTSTRECEI01",
  "Descricao": "BR PART RECIPE STRUCTURE",
  "Companhia": {
    "CodigoCIA": "STDBRAZIL",
    "Descricao": "Brazil STD - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY"
  },
  "UnidadeMedidaEstoque": {
    "Codigo": "L",
    "Descricao": "Litros",
    "Companhia": {
      "CodigoCIA": "STDBRAZIL",
      "Descricao": "Brazil STD - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY"
    }
  },
  "TipoItem": {
    "Codigo": "04"
  },
  "OrigemItem": {
    "Codigo": 0,
    "Descricao": "Nacional, exceto as indicadas nos códigos 3, 4, 5 e 8."
  },
  "ConversaoUnidadeMedida": {}
},
  "Insuno": [
    {
      "Quantidade": 0.4375,
      "Finalidade": "1",
      "Item": {
        "Codigo": "BRPARTSTRECEI01",
        "Descricao": "COIP RECIPE STRUCTURE",
        "Companhia": {
          "CodigoCIA": "STDBRAZIL",
          "Descricao": "Brazil STD - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY"
        }
      },
      "TipoItem": {
        "Codigo": "01"
      },
      "OrigemItem": {
        "Codigo": 0,
        "Descricao": "Nacional, exceto as indicadas nos códigos 3, 4, 5 e 8."
      },
      "UnidadeMedidaEstoque": {
        "Codigo": "l",
        "Descricao": "litre",
        "Companhia": {
          "CodigoCIA": "STDBRAZIL",
          "Descricao": "Brazil STD - PLEASE DON'T CHANGE THE SETUP IN THIS COMPANY"
        }
      }
    }
  ]
}

```

In summary, we can consider that as basic data for the FCI:

- The parts defined as Manufactured or Manufactured Recipe on the Inventory Part page.
- The Product Structure for the Manufactured part and the Recipe Structure for the Manufactured Recipe part, defined on the Product Structure and Recipe Structure pages, respectively.
- The incoming nota fiscal related to the acquisition of production inputs (component parts in the structure of the manufactured products) must be previously entered into the application and sent to the third-party system integrator.
- The outgoing nota fiscal for the interstate sales of the manufactured product must be previously entered into the application and sent to the third-party system integrator.

37.6.5.5 Delimitations

- Currently, the third-party system does not have an endpoint in which we can use it to automatically obtain, right after processing the return file generated by the government validator program, the acquisition origin and the FCI hash code, so that these are updated in the Master Part of the material sold in interstate operations and thus, this data could be sent in the electronic XML, to prove its right to use the reduced ICMS rate.

Thus, the current solution will require the user to access the Master Part page and manually update the material with the updated acquisition origin, as well as with the FCI hash code, for the purpose mentioned above.

As soon as the third-party system provides an endpoint in which the acquisition origin and FCI hash code are returned, this integration will be reviewed so that there is an automatic update of the Master Part without the need for manual intervention.

- The structures containing the list of components/inputs will always be obtained from what is previously defined on the Product and Recipe Structure pages. The structures used in the shop orders of the period will not be considered, since these changes are most of the time punctual and will not necessarily impact much on the calculation, and since the change in the structure of a material is frequent, the ideal is to create a new revision for the structure with the new list of components updated for this material.

38 Brazilian Payment Formats

38.1 Overview Requirement

Brazilian payment formats are used to exchange Customer and Supplier financial information between companies and banks to process payments. Electronic files are generated by using the external files functionality.

There are two payment format processes, one for Customer communication and another one for Supplier communication. The purpose of this communication is to send and receive payment information from suppliers and customers to process such payments automatically.

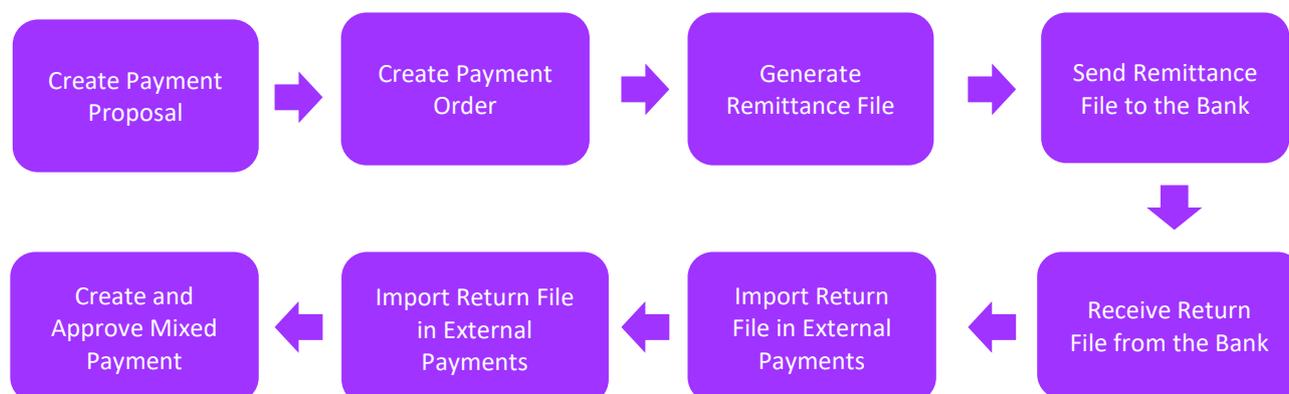
The system covers the following Brazilian banks: **Bradesco, Itaú, Santander, Banco do Brasil, and Caixa Econômica Federal.**

38.2 Solution

This solution consists of outgoing and incoming file templates created by using the **External File** functionality. Below are the details about the available layout structures:

BANK	PARTY TYPE	PAYMENT FORMAT	DIRECTION FILE	FILE TEMPLATE	FILE TYPE	FILE LENGTH
BRADESCO	SUPPLIER	BR237SUP	REMITTANCE	SUP_GEN_BR_237_CP	BrPayment237Cp	500
			RETURN	SRF_BR_237_CP	ExtSuppPaymRet	
	SUPPLIER	BR237SUP240	REMITTANCE	CUST_GEN_BR_237_240_CR	BrPayment237Cp	240
			RETURN	CUP_BR_237_240_CR	ExtSuppPaymentRet240	
	CUSTOMER	BR237CUST	REMITTANCE	CUST_GEN_BR_237_CR	GenCustPaymentBr	400
			RETURN	CUP_BR_237_CR	ExtCustPayment	
ITAÚ	SUPPLIER	BR341SUP	REMITTANCE	SUP_GEN_BR_341_CP	BrPayment341Cp	240
			RETURN	SRF_BR_341_CP	ExtSuppPaymentRet240	
	CUSTOMER	BR341CUST	REMITTANCE	CUST_GEN_BR_341_CR	GenCustPaymentBr341	400
			RETURN	CUP_BR_341_CR	ExtCustPayment	
BANCO DO BRASIL	SUPPLIER	BR001SUP240	REMITTANCE	SUP_GEN_BR_001_CP	BrPayment240Cp	240
			RETURN	SRF_BR_001_CP	ExtSuppPaymentRet240	
	CUSTOMER	BR001P240CUST	REMITTANCE	CUST_BR_001_240_CR	BrPayment240Cr	240
			RETURN	CUP_BR_001_240_CR	BrPayment240CrRet	
SANTANDER	SUPPLIER	BR033SUP	REMITTANCE	SUP_GEN_BR_033_CP	BrPayment240Cp	240
			RETURN	SRF_BR_033_CP	ExtSuppPaymentRet240	
	CUSTOMER	BR033CUST	REMITTANCE	CUST_GEN_BR_033_CR	GenCustPaymentBr033	400
			RETURN	CUP_BR_033_CR	ExtCustPayment	
CAIXA ECONÔMICA	SUPPLIER	BR104SUP240	REMITTANCE	SUP_GEN_BR_104_CP	BrPayment240Cp	240
			RETURN	SRF_BR_104_CP	ExtSuppPaymentRet240	
	CUSTOMER	BR104P240CUST	REMITTANCE	CUST_BR_104_240_CR	BrPayment240Cr	240
			RETURN	CUP_BR_104_240_CR	BrPayment240CrRet	

The below process is used in the system to handle both customer and supplier payments, no matter what the payment format used.



This document will describe the solution for **Banco do Brasil** Bank. Users can follow the same process for other banks as well.

38.3 Prerequisites

The company must be set up to use Brazilian localization, see the [Company Set up](#) chapter. The **'Brazilian Payment Formats'** parameter under the **Localization Functionality** section must be enabled on the **Company/Localization Control Center** tab to use Banco do Brasil, Caixa Economica, and Santander payment formats whereas Itau and Bradesco payment formats are implemented as a core solution.

To run the Customer process all basic data relevant to the Boleto process must be defined before starting the communications with the banks. Further, it is necessary to print the Boleto if the company has this process. Unpaid customer ledger items that match the Customer Payment Proposal loading criteria specified must exist.

To run the Supplier process, unpaid supplier ledger items that match the Supplier Payment Proposal loading criteria specified must exist.

38.4 Basic Data

All Basic Data stated in Boleto – Bank Collection Bill chapter 28 are necessary to set up before starting the remittance and return file generation for customer payments. In this section, additional basic data necessary to run remittance and return files for supplier payments are provided.

Enter all necessary **Payment Instruction Codes** that will be used during the communication with the bank in the **Financials/Payment Basic Data/Cash Book/Payment Instruction Codes** page.

Financials > Payment Basic Data > Cash Book > Payment Instruction Codes

Payment Instruction Codes

Country	Identity Type	Identity	Description
BRAZIL	Entry	01	Credit Account
BRAZIL	Entry	03	DOC
BRAZIL	Entry	08	TED
BRAZIL	Entry	41	TED ITAU
BRAZIL	Entry	30	Boleto same bank
BRAZIL	Entry	31	Boleto Different Banks
BRAZIL	Entry	13	Bills
BRAZIL	Condition	1	License No/Our Number
BRAZIL	Condition	2	Agency/Account/License No/Our Number
BRAZIL	Entry	5	Savings Account Credit

Define **Payment Method** in **Financials/Payment Basic Data/Cash Book/Payment Institutes/Payment Methods per Institute** page.

Financials > Payment Basic Data > Cash Book > Payment Institutes > Payment Methods per Institute

Company DEMO BRAZIL 3

Payment Methods per Institute

BANCO DO BRASIL - BANCO DO BRASIL 1 of 1

Payment Method	Bank Transaction Code	Output File Name
BR001P240CUST - BR001P240CUST	* - IFS Bank Transaction Code	BR001P240CUST.DAT
BR001SUP BB - BR001SUP BB	* - IFS Bank Transaction Code	BR001SUP BB.DAT

Define **Format Specific Info per Institute** for the payment method in **Financials/Payment Basic Data/Cash Book/Payment Institutes/Payment Methods per Institute/ Format Specific Info per Institute** page.

The below information might differ from one payment format to another and should be filled according to the bank layout definitions and specifications.

Information specific to a particular Payment Method and Payment Institute. The information required depends on the Payment Format connected to the Payment Method. This field is defined on the **Client Mapping** page.

Financials > Payment Basic Data > Cash Book > Payment Institutes > Payment Methods per Institute > Format Specific Information per Institute - BANCO DO BRASIL - BR001SUP BB

Company DEMO BRAZIL 3

Format Specific Information per Institute - BANCO DO BRASIL - BR001SUP BB

Format ID	Boleto Diff Bank Entry Code	Boleto Same Bank Entry Co...	TED Entry Code	DOC Entry Code	Current Account Credit Entr...	Utility Bills Entry Code	Control File Seq No
BR001SUP240	31	30	08	03	01	13	<input type="checkbox"/>
File Seq No	Limit Amount						

Define return **Message Codes** for each Format ID in **Financials/Payment Basic Data/Cash Book/Payment Formats per Company/Payment Formats/Payment Format Message Codes** page.

Financials > Payment Basic Data > Cash Book > Payment Formats per Company > Payment Formats > Payment Format Message Codes

Payment Format Message Codes BR001SUP240 - * - Default issuer 1 of 1

Payment Format: BR001SUP240 - Brazilian format for bank Banco do Brasil, supplier
 Issuer: * - Default issuer

Message Code Details

Message Code	Description	Transaction Type	Error Code	Payment Format Message Function
01	ACCEPT	Supplier Payment	No	
02	REJECTION	Supplier Payment	Yes	Remove From Order
03	PAYMENT	Supplier Payment	No	Accept Payment

Related to the return file creation setup, connect the payment method to the **External Payment Parameters** page in the **Financials/Cash Book/External Interface/External Payment Parameters** page.

Financials > Cash Book > External Interface > External Payment Parameters

External Payment Parameters BR001SUP BB - BR001SUP BB

Payment Method: BR001SUP BB - BR001SUP BB (Default)

Matching:

Allow Automatic Matching:

Only Complete Matching of Payment Amount:

Only Identifiers Connected to Message Code:

Consider Customer/Company Tolerances when Matching:

MESSAGE CODES

Issuer	Message Code	Transaction Type	Identifier Connected	Error Code	Payment Format Message Function	Generate Text for New Item	Default Difference Code
*	01 - ACCEPT	Supplier Payment	No	No		No	
*	02 - REJECTION	Supplier Payment	No	Yes	Remove From Order	No	
*	03 - PAYMENT	Supplier Payment	No	No	Accept Payment	No	

38.5 Customer File Generation

After printing Boletos, it is necessary to generate the Customer Payment Proposal to select the invoices that will be sent to the bank.

Create Customer Payment Proposal in **Financials/Accounts Receivable/Customer Payment Proposal/Customer Payment Proposals** page. The Customer Payment Proposal can be created automatically, using the **New Directing Debit Proposal** command button or by clicking **New**.

On the **Customer Payment Proposal Details** page, it is possible to insert or remove invoices/installments. The **Cash Account** and **Payment Method** fields will be automatically filled with the same information printed previously in the Boletos using the default entries or should be manually filled.

Financials > Accounts Receivable > Customer Payment Proposal > Customer Payment Proposals > Customer Payment Proposal Details

Company: PUGULK BRAZIL 1

Customer Payment Proposal Details

Created

Proposal ID: 2, Proposal Type: Direct Debiting, Creation Date: 2/9/2024, User ID: PUGULK

DETAILS | PARAMETERS

Print Proposal | Recalculate Netting Possibility | Recalculate Offset Possibility

Series ID	Inv/Prepays No	Installment ID	Payment Method	Cash Account	New Payment On Account	Payment in Advance	Netting Possibility	Offset Possibility	Advance Invoice	Payment Reference	Voucher Type	Voucher No	Customer
CD	00917000060	1	BR001P240CUST	BANCO DO BRASIL	No	No	No	No	No		F	2024000020	PUGULKBRAZILCUST - PUGULKBRAZILCUST

Select the above Proposal ID from the **Customer Payment Proposal** page and **Acknowledge** it. Afterward, click on the **Create Direct Debiting Order** command and enter the **Payment Method** and the **Payment Institute** used in this Proposal.

New Payment Order

Payment Order Information | Cash Accounts Information

Selected Proposals: 2 | Payment Method: BR001P240CUST - BR001P240CUST

Only Installments Specified with Default Payment Method:

Payment Institute: BANCO DO BRASIL - BANCO DO BRASIL | Currencies: BRL

Payment Date:

Navigation: Previous | Next | Finish | Cancel

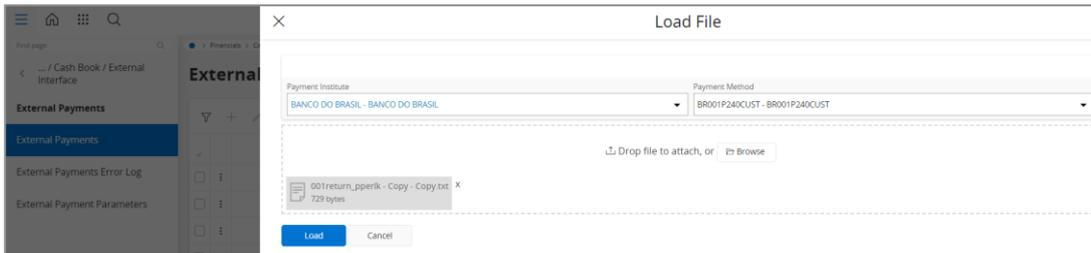
Upon finishing the above process Customer Payment Order and the remittance file will be generated. Subsequently, the user can share the remittance file with the relevant banks.

38.6 Customer Return File

After the payment instructions are realized by the bank, the bank will provide a return file for the same remittance file provided.

The financial user will load this file to the system by using the External Interface functionality, in the **Financials/Cash Book/External Interface/External Payments** page using the **Load File** command.

Select the **Payment Institute** and **Payment Method** related to this return file. Browse for the return file received from the bank.



After loading the return file, click on the **Create Mixed Payment** command. The next step is to view the **Mixed Payment** created using the **Attached Mixed Payment** command.

Once the mixed payment is approved payment will be accounted and the status of the invoices will change to **PaidPosted**.

38.7 Supplier File Generation

The process to generate the Supplier remittance and return files is the same as Customer remittance and return file generation but with the use of Supplier Payment Formats.

Create Payment Proposal in **Financials/Accounts Payable/Supplier Payment Proposal/Supplier Payment Proposals** page. The Supplier Payment Proposal can be created automatically, using the **New Proposal** command, or by selecting **New**. On the **Supplier Payment Proposal Details** page, it is possible to insert or remove invoices/installments.

Select the above proposal ID from the **Supplier Payment Proposals** page and **Acknowledge** it. Afterward, click on the **New Payment Order** command and enter the **Payment Method** and the **Payment Institute** used in this Proposal.

Upon finishing the above process Supplier Payment Order and the remittance file will be generated.

Subsequently, the user can share the remittance file with the relevant banks to process all supplier payments.

38.8 Supplier Return File

After the payment instructions are realized by the bank, the bank will provide a return file for the same remittance file provided.

The financial user will load this file to the system by using the External Interface functionality, in the **Financials/Cash Book/External Interface/External Payments** page using the **Load File** command.

Select the **Payment Institute** and **Payment Method** related to this return file. Browse for the return file received from the bank.

After loading the return file, click on the **Create Mixed Payment** command. The next step is to view the **Mixed Payment** created using the **Attached Mixed Payment** command.

Once the mixed payment is approved payment will be accounted and the status of the invoices will change to **PaidPosted**.

38.9 Delimitations

Only five Brazilian banks are covered by this solution:

- Bradesco
- Itaú

- Santander
- Banco do Brasil
- Caixa Econômica Federal

39 Appendix

39.1 Appendix:01

The NF-e XML mapping to IFS Cloud is described in DocMan document “NF-e xml mapping to IFS (Brazil)”.

39.2 Appendix:02

39.2.1 AVALARA INTEGRATION: TAX BASE AMOUNT: **NET**

Scenario: 01 Tax Base Amount: Net Amount – Excluding Tax: IPI

Let’s have a look into the scenario below explaining a Brazilian tax calculation based on Net Amount and excluding the tax, IPI.

Net Amount calculation and Tax calculation

▪ Net Amount	= 72.75
Tax Base Amount	= $\frac{72.75 \times 100}{100 - (18 + 1.65 + 7.6)}$
	= 100.00
▪ Tax: ICMS 18%	= 18.00
PIS 1.65%	= 1.65
COFINS 7.6%	= 7.60
Total Tax	= <u>27.25</u>
Gross Amount (72.75 + 27.25)	= <u>100.00</u>

AVALARA: Response File

Tax Base: Net

```

"header": {
  "eDocCreatorType": "self",
  "amountCalcType": "net",
  "companyLocation": "12.345.678/9012-34",

```

Net Amount from the Response file

```

entity: {
  "lineNetFigure": 72.75,
  "taxDetails": [
    {

```

Complete AVALARA Response file for the reference



AEFD93BF.json

IFS Application Tax Code Mapping

External Tax Codes Mapping					
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
		Tax Code	Tax Type Category	Tax (%)	Tax in Tax Base
<input type="checkbox"/>	:	COFINS-0-BR - COFINS Tax 0%	COFINS	0	<input type="button" value="Yes"/>
<input type="checkbox"/>	:	ICMS-0-BR - ICMS Tax 0%	ICMS	0	<input type="button" value="Yes"/>
<input type="checkbox"/>	:	PIS-0-BR - PIS Tax 0%	PIS	0	<input type="button" value="Yes"/>

Customer Invoice Postings

✓	:	✎	Trans Code	Tax Code	Currency Code	Correction	Currency Debit Amount	Currency Credit Amount	Currency Amount
<input type="checkbox"/>	:	✎	IP2		BRL	No	100.00		100.00
<input type="checkbox"/>	:	✎	IP4	PIS-0-BR	BRL	No		1.65	-1.65
<input type="checkbox"/>	:	✎	IP4	COFINS-0-BR	BRL	No		7.60	-7.60
<input type="checkbox"/>	:	✎	IP4	IPI-0	BRL	No		0.00	0.00
<input type="checkbox"/>	:	✎	IP4	ICMS-0-BR	BRL	No		18.00	-18.00
<input type="checkbox"/>	:	✎	M28		BRL	No		72.75	-72.75
<input type="checkbox"/>	:	✎	M295	COFINS-0-BR	BRL	No		7.60	-7.60
<input type="checkbox"/>	:	✎	M296	COFINS-0-BR	BRL	No	7.60		7.60
<input type="checkbox"/>	:	✎	M295	ICMS-0-BR	BRL	No		18.00	-18.00
<input type="checkbox"/>	:	✎	M296	ICMS-0-BR	BRL	No	18.00		18.00
<input type="checkbox"/>	:	✎	M295	PIS-0-BR	BRL	No		1.65	-1.65
<input type="checkbox"/>	:	✎	M296	PIS-0-BR	BRL	No	1.65		1.65

Scenario: 02 Tax Base Amount: Net Amount – Including Tax: IPI

Let's have a look into the scenario below explaining a Brazilian tax calculation based on Net Amount and including the tax, IPI.

Net Amount calculation and Tax calculation

▪ Net Amount	= 78.75
Tax Base Amount	= <u>78.75 x 100</u> 100-(7.6+1.65+12) =100.00
▪ Tax: ICMS 12%	= 12.00
PIS 1.65%	= 1.65
COFINS 7.6%	= 7.60
IPI 30%	= 30.00 (100 X 30%)
Total Tax	= <u>51.25</u>
Gross Amount (78.75 + 51.25)	= <u>130.00</u>

AVALAR: Response File

Tax Base: Net

```
"header": {  
  "eDocCreatorType": "self",  
  "amountCalcType": "net",  
  "companyLocation": "12 345 678/9012-
```

Net Amount

```
  },  
  "lineNetFigure": 78.75,  
  "taxDetails": [
```

Total Line Amt & Total Invoice Amt

```
"summary": {  
  "numberOfLines": 1,  
  "totalLineAmounts": 100,  
  "totalTaxedDiscounts": 0,  
  "totalUntaxedDiscounts": 0,  
  "totalInsurances": 0,  
  "totalFreights": 0,  
  "totalOtherCosts": 0,  
  "totalUnTaxedOtherCosts": 0,  
  "totalInvoice": 130,
```

ICMS 12%= 12.00

```
"taxType": "icms",  
"citation": "ICMS/AC_Decreto nº 8/1998, Artigo  
"citationId": "ac789807-2fab-49ff-b921-be0682ed  
"subtotalTaxable": 100,  
"rate": 12,  
"tax": 12,
```

COFINS 7.6% = 7.60

```
"taxType": "cofins",  
"citation": "PIS/COFINS Lei nº 10.833/2003,  
"citationId": "670e7148-b125-46f6-837f-3bb4e  
"subtotalTaxable": 100,  
"rate": 7.6,  
"tax": 7.6,
```

PIS 1.65% = 1.65

```
"taxType": "pis",  
"citation": "PIS/COFINS Lei nº 10.637/2002,  
"citationId": "bfb5ddd3-00ca-42f7-a170-a9c4a  
"subtotalTaxable": 100,  
"rate": 1.65,  
"tax": 1.65,
```

IPI 30% = 30.00 (100 X 30%)

```
"taxType": "ipi",  
"citation": "IPI Decreto nº 8950/2016",  
"citationId": "56b13fd9-18fb-4d35-91dd-908  
"subtotalTaxable": 100,  
"rate": 30,  
"tax": 30,
```

[Complete AVALARA Response file for the reference](#)



E87B5159.json

IFS Application Tax Code Mapping

External Tax Codes Mapping					
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
<input type="checkbox"/>	:	Tax Code	Tax Type Category	Tax (%)	Tax in Tax Base
<input type="checkbox"/>	:	COFINS-0-BR - COFINS Tax 0%	COFINS	0	<input type="button" value="Yes"/>
<input type="checkbox"/>	:	ICMS-0-BR - ICMS Tax 0%	ICMS	0	<input type="button" value="Yes"/>
<input type="checkbox"/>	:	IPI-0 - IPI Tax 0%	IPI	0	<input type="button" value="No"/>
<input type="checkbox"/>	:	PIS-0-BR - PIS Tax 0%	PIS	0	<input type="button" value="Yes"/>

Customer Invoice Postings

<input type="checkbox"/>	:	<input type="checkbox"/>	Trans Code	Tax Code	Currency Code	Correction	Currency Debit Amount	Currency Credit Amount	Currency Amount	Currency Rate
<input type="checkbox"/>	:	<input type="checkbox"/>	IP2		BRL	<input type="button" value="No"/>	130.00		130.00	1
<input type="checkbox"/>	:	<input type="checkbox"/>	IP4	PIS-0-BR	BRL	<input type="button" value="No"/>		1.65	-1.65	1
<input type="checkbox"/>	:	<input type="checkbox"/>	IP4	COFINS-0-BR	BRL	<input type="button" value="No"/>		7.60	-7.60	1
<input type="checkbox"/>	:	<input type="checkbox"/>	IP4	IPI-0	BRL	<input type="button" value="No"/>		30.00	-30.00	1
<input type="checkbox"/>	:	<input type="checkbox"/>	IP4	ICMS-0-BR	BRL	<input type="button" value="No"/>		12.00	-12.00	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M28		BRL	<input type="button" value="No"/>		78.75	-78.75	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M295	COFINS-0-BR	BRL	<input type="button" value="No"/>		7.60	-7.60	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M296	COFINS-0-BR	BRL	<input type="button" value="No"/>	7.60		7.60	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M295	ICMS-0-BR	BRL	<input type="button" value="No"/>		12.00	-12.00	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M296	ICMS-0-BR	BRL	<input type="button" value="No"/>	12.00		12.00	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M295	IPI-0	BRL	<input type="button" value="No"/>		30.00	-30.00	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M296	IPI-0	BRL	<input type="button" value="No"/>	30.00		30.00	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M295	PIS-0-BR	BRL	<input type="button" value="No"/>		1.65	-1.65	1
<input type="checkbox"/>	:	<input type="checkbox"/>	M296	PIS-0-BR	BRL	<input type="button" value="No"/>	1.65		1.65	1

39.2.2 AVALARA REQUEST FILE MAPPING

Refer ***Avalara Request mapping V3.xlsx*** to see the Avalara Request File Mapping details.



Avalara Request
mapping V3.xlsx

39.3 Appendix:03

Refer ***Avalara Request mapping V3.xlsx*** to see the Avalara Request File Mapping details for NFe communication.



Avalara Request
mapping V3.xlsx

39.4 Appendix:04

Refer the Excel file “Purchasing Final Avalara Request mapping” for details about the Avalara Request File Mapping.

[Purchasing Final Avalara Request mapping](#)



Purchasing Final
Avalara Request ma

39.5 Appendix:05

1. Avalara Request and Response file mapping for the Import Nota Fiscal Approved.



BR85 Approval
Response.json



BR85 Approval
Request.json

2. Avalara Request and Response file mapping for the Import Nota Fiscal Cancelled.



BR85 Cancelled
Request.json



BR85 Cancelled
Response.json

3. Avalara Request and Response file mapping for the Import Nota Fiscal Voided.



BR 85 Voided
Request.json



BR 85 Voided
Response.json