

Checkout Tax ID – User Guide

Webmaster Ramos

Contents

Checkout Tax ID – User Guide	1
1. Overview	1
Key Features	2
Compatibility	2
2. Installation	2
Via Composer	2
Verify	2
3. Configuration	2
3.1 General	3
3.2 Tax ID / EORI Rules	3
3.3 Separate Residential / Commercial Mode	4
3.4 Validation Types	5
4. Storefront Behaviour	5
5. Order Management	8
6. Pre-configured Rules	10
7. Multi-Store Notes	11
8. Troubleshooting	11
9. Uninstallation	11
10. Support	11

Checkout Tax ID – User Guide

Version: 1.2.2 **Compatibility:** Adobe Commerce and Magento Open Source 2.4.7 – 2.4.9, PHP 8.1 – 8.5 **Vendor:** Webmaster Ramos

1. Overview

Checkout Tax ID adds configurable tax-identification fields to the Magento checkout: VAT, EORI, PAN, CPF, RFC, and similar country-specific identifiers. Each field is driven by a rule you define in the admin panel – which countries it applies to, what it is called, how it is validated, and whether it is required. When a customer selects a matching shipping country, the field appears automatically; the value is saved to the order and surfaced to administrators.

The extension is rule-based, deterministic, and on-premise. It uses no external services and sends no data off-site.

Key Features

Feature	Description
Rule-based configuration	Add, edit, remove fields entirely from the admin panel
Per-country targeting	One rule can cover many countries
Separate Residential / Commercial mode	Two independent fields per country
Ten pre-configured rules	India, Brazil, Indonesia, Mexico, Saudi Arabia, South Korea, Turkey, Vietnam, Bangladesh, EU + GB EORI
Flexible validation	Exact length, length range, or custom pattern
Order integration	Saved to the order with a label snapshot; optional Orders-grid column
Translatable	All labels, tooltips and field names

Compatibility

Platform	Versions
Adobe Commerce	2.4.7 – 2.4.9
Magento Open Source	2.4.7 – 2.4.9
PHP	8.1, 8.2, 8.3, 8.4, 8.5
Themes	Luma; Hyvä Theme with the native Magento checkout

On Hyvä Theme storefronts, the field requires the native Magento checkout (for example via the Hyvä Luma Checkout module). Hyvä's own Magewire checkout is not supported.

2. Installation

Via Composer

```
composer require webmaster-ramos/module-checkout-tax-id
bin/magento module:enable WebRamos_CheckoutTaxId
bin/magento setup:upgrade
bin/magento setup:di:compile # production mode only
bin/magento cache:flush
```

Verify

```
bin/magento module:status WebRamos_CheckoutTaxId
```

3. Configuration

Open Stores → Configuration → Webmaster Ramos → Checkout Tax ID.

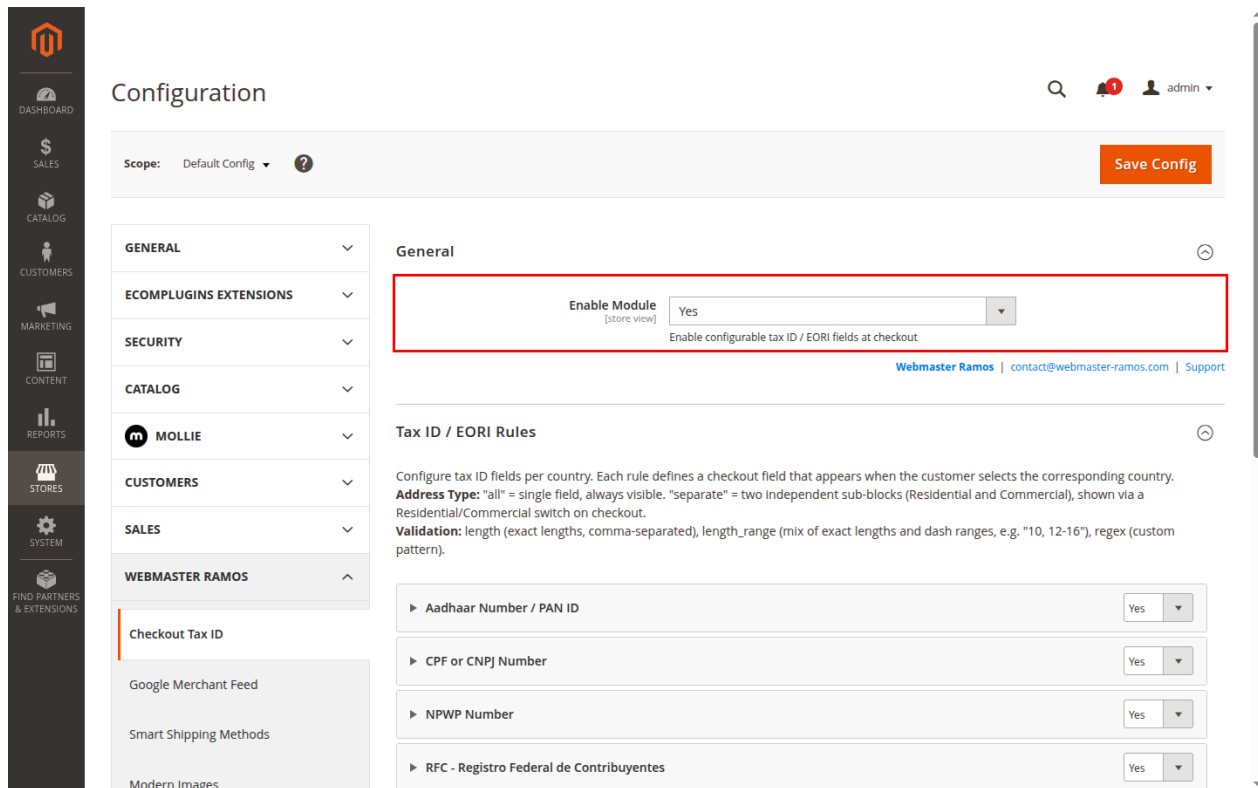


Figure 1: Configuration – General and Rules

3.1 General

Setting	Description	Default
Enable Module	Turns the checkout field on or off site-wide	Yes

3.2 Tax ID / EORI Rules

The rules table is a collapsible accordion. Each rule has the following fields:

Field	Description
Country	One or more countries this rule applies to
Address Type	All (one field) or Separate (Residential + Commercial)
Label	Field label shown to the customer
Tooltip	Help text shown next to the field
Validation	Exact Length, Length Range, or Regex
Validation Param	Parameter(s) for the chosen validation
Required	Whether the field is mandatory
Active	Enable or disable the individual rule

The screenshot shows the 'Configuration' page with a sidebar on the left containing navigation links: DASHBOARD, SALES, CATALOG, CUSTOMERS, MARKETING, CONTENT, REPORTS, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main content area is titled 'Configuration' and has a 'Save Config' button in the top right corner. The 'Checkout Tax ID' section is active, showing a list of rules: Google Merchant Feed, Smart Shipping Methods, Modern Images, Smart Recommendations, HYVA THEMES, SERVICES, and ADVANCED. The 'CPF or CNPJ Number' rule is expanded, showing the following configuration:

- Country:** A dropdown menu with options: --Please Select--, Afghanistan, Albania, Algeria, American Samoa, Andorra, Angola, Anguilla, and Antigua and Barbuda.
- Address Type:** A dropdown menu with the option: All.
- Label:** A text input field containing 'CPF or CNPJ Number'.
- Tooltip:** A text input field containing 'If the recipient is an individual, a CPF number (11 digits) is requ'.
- Validation:** A dropdown menu with the option: Exact Length.
- Validation Param:** A text input field containing '11,14'.
- Required:** A dropdown menu with the option: Yes.

At the bottom of the expanded rule, there is a 'Delete' button. Below the expanded rule, the 'NPWP Number' rule is partially visible.

Figure 2: Rules accordion expanded

3.3 Separate Residential / Commercial Mode

When Address Type is **Separate**, the rule presents two independent blocks – Residential and Commercial – each with its own Active toggle, Label, Tooltip, Validation, and Required flag. This lets one country collect different identifiers per buyer type. For example, the pre-configured EU + GB rule activates only the Commercial block to collect an EORI number for business shipments.

The screenshot shows a 'Configuration' page with a sidebar on the left containing icons for Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, Stores, System, and Find Partners & Extensions. The main content area has a 'Save Config' button in the top right. Below the header, there are two configuration blocks: 'Residential' and 'Commercial'. The 'Residential' block has fields for Active (No), Label, Tooltip, Validation (None), Validation Param, and Required (Yes). The 'Commercial' block, which is highlighted with a red border, has fields for Active (Yes), Label (EORI Code), Tooltip (EORI (Economic Operators Registration and Identification) n), Validation (Regex), Validation Param (^[A-Z]{2}[A-Z0-9]{5,15}\$), and Required (Yes). A 'Delete' button is located below the Commercial block.

Figure 3: Separate mode – Residential and Commercial blocks

3.4 Validation Types

Type	Parameter format	Example
Exact Length	Comma-separated lengths	10, 12
Length Range	Exact lengths and/or dash ranges	10, 12-16
Regex	Pattern (no delimiters)	see below

For the Regex type, enter a JavaScript pattern without delimiters. The pre-configured EORI rule, for example, uses:

```
^[A-Z]{2}[A-Z0-9]{5,15}$
```

4. Storefront Behaviour

When the customer selects a shipping country that matches an active rule, the corresponding field appears in the checkout shipping step. If the matching rule is in Separate mode, a Residential / Commercial switch is shown first, and the field reconfigures itself to the chosen block.

Street Address *
12 MG Road

Country *
India
State/Province *
Please select a region, state or province.
City *
Mumbai
Zip/Postal Code *
400001
Phone Number *
9820098200
Aadhaar Number / PAN ID *
ABCDE1234F

Shipping Methods

☒ \$5.00 Fixed Flat Rate

Next

Figure 4: Checkout field on the Luma storefront

The screenshot shows a checkout form with the following fields and values:

- Country: Germany
- State/Province: Please select a region, state or province.
- City: Berlin
- Zip/Postal Code: 10117
- Phone Number: 4930000000
- Residential/Commercial switch: Commercial (selected)
- EORI Code: DE123456789012

Below the form, the "Shipping Methods" section shows a selected method of "\$5.00 Fixed Flat Rate". A "Next" button is located at the bottom right of the form area.

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Figure 5: EORI commercial field after the Residential/Commercial switch

The same behaviour applies on a Hyvä Theme storefront that runs the native Magento checkout.



Sign In

✓

Shipping

2

Review & Payments

Shipping Address

Email Address *

marketplace_shot_hyva_in@example.com

?

You can create an account after checkout.

First Name *

Priya

Last Name *

Nair

Company

Street Address *

88 Brigade Road

Country *

India

▼

State/Province *

Please select a region, state or province.

▼

City *

Bengaluru

Zip/Postal Code *

560001

Phone Number *

9844098440

?

Aadhaar Number / PAN ID *

ABCDE5678K

?

Order Summary

1 Item in Cart

▼

Shipping Methods

☒ \$5.00

Fixed

Flat Rate

Next

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Figure 6: Checkout field on a Hyvä Theme storefront (native checkout)

5. Order Management

The collected value is saved to the order together with a snapshot of its label.

- **Order detail page** – shown in a Tax Identification section.
- **Sales → Orders grid** – an optional Tax ID column, enabled from the grid's Columns selector, filterable and sortable server-side.



#000000009

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Tax Identification

Aadhaar Number / PAN ID
ABCDE1234F

Items Ordered

Product	Item Status	Original Price	Price	Qty	Subtotal	Tax Amount	Tax Percent	Discount Amount	Row Total
Joust Duffle Bag SKU: 24-MB01	Ordered	\$34.00	\$34.00	Ordered 1	\$34.00	\$0.00	0%	\$0.00	\$34.00

Order Total

Notes for this Order

Status

Pending ▼

Comment

A status change or comment text is required to submit a comment.

☐ Notify Customer by Email

Order Totals

Subtotal	\$34.00
Shipping & Handling	\$5.00
Grand Total	\$39.00
Total Paid	\$0.00
Total Refunded	\$0.00
Total Due	\$39.00

Figure 7: Order detail – Tax Identification

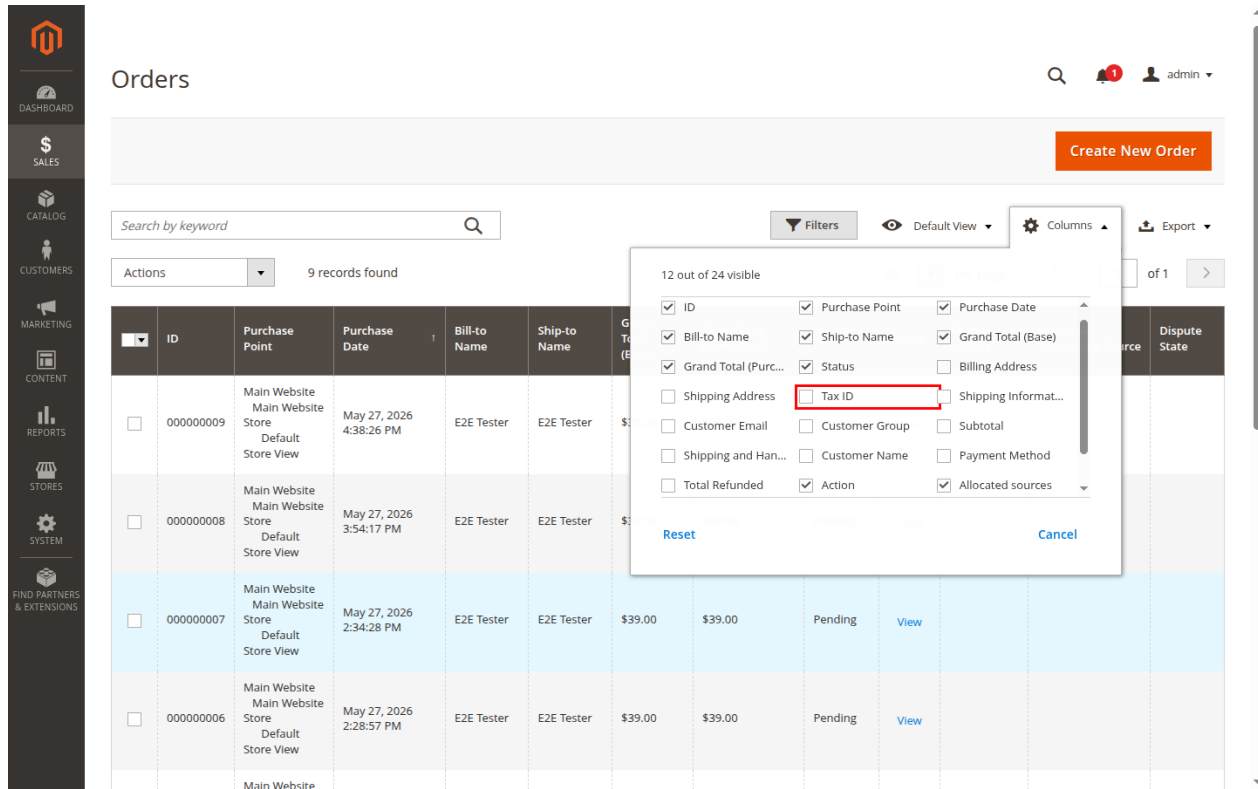


Figure 8: Orders grid – Tax ID column in the Columns selector

6. Pre-configured Rules

Country	Field Label	Validation
India	Aadhaar Number / PAN ID	10 or 12 characters
Brazil	CPF or CNPJ Number	11 or 14 characters
Indonesia	NPWP Number	10 or 12–16 characters
Mexico	RFC	10 or 12–15 characters
Saudi Arabia	Saudi National ID	10 characters
South Korea	KR Tax ID	10 or 12–15 characters
Turkey	TIN	10 or 11 characters
Vietnam	Tax Code / TIN	10 or 12–15 characters
Bangladesh	NID or BIN Number	Alphanumeric, 9–13 characters
EU + GB (28 countries)	EORI Code	2 letters + 5–15 alphanumeric

All rules can be edited or removed, and new rules can be added for any country.

7. Multi-Store Notes

Configuration is scope-aware. The Enable flag and the rules table can be set at default, website, or store-view scope, so different store views can collect different identifiers or none at all.

8. Troubleshooting

Symptom	Resolution
Field does not appear	Confirm the module is enabled, the country has an active rule, and the cache is flushed (<code>bin/magento cache:flush</code>).
Field appears but is not validated	Check the rule's Validation type and parameter; for Regex, supply the pattern without delimiters.
Separate-mode field missing	Ensure at least one of the Residential / Commercial blocks is Active and has a Label.
Hyvä storefront shows no checkout	The Hyvä store must run the native Magento checkout (for example Hyvä Luma Checkout); Hyvä's Magewire checkout is not supported.

Logs: `var/log/system.log` and `var/log/exception.log`.

9. Uninstallation

```
bin/magento module:disable WebRamos_CheckoutTaxId
bin/magento setup:upgrade
```

To remove the module and its table entirely:

```
bin/magento module:uninstall WebRamos_CheckoutTaxId
```

10. Support

- **Email:** contact@webmaster-ramos.com
- **Website:** <https://webmaster-ramos.com>
- **Changelog:** see `CHANGELOG.md` inside the package