VAT Classification

E-Invoice Documentation

Guide for Magento administrators, technical project owners, and implementation teams.

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EXTENSION
Magento 2 Extension E-Invoice

VAT Classification

Every e-invoice line carries an EN 16931 tax-category code. The extension derives that code from tax rate, store configuration, buyer country/VAT ID and voucher detection. Review the result with your accounting rules; automatic classification cannot decide whether a transaction is legally exempt or reverse charge.

Supported Categories

Code	Name	When it applies
`S`	Standard rate	Any line with tax greater than 0
`Z`	Zero rated	Configured fallback for 0% lines in the same country
`E`	Exempt	Seller operates as Kleinunternehmer (§19 UStG)
`AE`	Reverse charge	Available as the configured fallback category for otherwise unclassified 0% lines
`K`	Intra-community supply	EU B2B with 0% tax and a valid buyer VAT ID (§4 Nr. 1b UStG)
`G`	Free export	Destination outside the EU (§4 Nr. 1a UStG)
`O`	Out of scope	Multi-purpose voucher (§3 Abs. 15 UStG)

Classification Logic

For each invoice line the extension evaluates, in order:

1. **Kleinunternehmer flag** is on → `E`
2. Line is a **multi-purpose voucher** → `O` (see Gift Cards)
3. Line has tax greater than 0 → `S`
4. Buyer country differs from seller country:
   - Buyer is in the **EU list** and has a **VAT ID** → `K`
   - Buyer is outside the EU → `G`
5. Otherwise → configured default (default `Z`)

The EU list is read from Magento's built-in `general/country/eu_countries` setting, so edits under **Stores > Configuration > General > Countries Options** apply everywhere automatically.

Configuration

Stores > Configuration > MageB2B > E-Invoice > VAT Classification

Setting	Default	Notes
Kleinunternehmer (§19 UStG)	No	When enabled, every line is classified as `E` regardless of tax
Default Category for 0% Lines	Z	Used when a 0% line does not match `K` or `G` rules
Treat Magento Giftcards as Multi-Purpose Voucher	Yes	Adobe Commerce `giftcard` products → `0`
Voucher Override Product Attribute	(empty)	Product attribute code whose value `multi_purpose` / `single_purpose` overrides detection
Exemption Reason: Intra-Community (K)	Innergemeinschaftliche Lieferung (§4 Nr. 1b UStG)	BT-120 text for `K`
Exemption Reason: Export (G)	Ausfuhrlieferung (§4 Nr. 1a UStG)	BT-120 text for `G`
Exemption Reason: Exempt (E)	Kleinunternehmer (§19 UStG)	BT-120 text for `E`
Exemption Reason: Reverse Charge (AE)	Steuerschuldnerschaft des Leistungsempfängers (§13b UStG)	BT-120 text for `AE`
Exemption Reason: Out of Scope (O)	Mehrzweck-Gutschein (§3 Abs. 15 UStG)	BT-120 text for `0`

Set exemption reasons to wording approved for your invoices. The extension does not determine the legal reason for a zero-rate transaction.

Exemption Reason (BT-120)

When the category is not `S` or `Z`, the invoice carries a human-readable exemption reason at both line and document level. Empty reasons fall back to the defaults above. Receivers use this text to understand *why* tax was not charged.

Tax Totals

The document-level tax section groups lines by `(category, rate)`. A single invoice can legitimately contain multiple categories, for example a standard-rated product plus a multi-purpose voucher:

Category	Rate	Base	Tax
S	19.00	100.00	19.00
0	0.00	50.00	0.00

Out-of-scope lines contribute to the base total but never to the tax amount, per §3 Abs. 15 UStG.

Verification

Use `php bin/magento einvoice:verify-amounts --file=<actual-cii-xml-path>` to check the CII totals. The entity-ID options do not follow the configurable filename manager; see CLI Commands.

Upgrading from earlier module versions

The formatter classifies each line from the order tax treatment. Plain single-country 19% scenarios use `S`; cross-border, exempt and voucher lines can carry a different category and exemption reason.

Related

- Gift Cards & Vouchers
- Seller Identity
- CLI Commands