



Message Implementation Guideline

RIF_INVOIC

Model: RIF_INVOIC_v1
Version: v1.0
Issue date: 28.01.2026
Author: retarus

Structure

Occurrence	Element/Attribute
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	RIF_INVOIC
required	<i>version</i>
required	<i>timestamp</i>
1 .. 1	<i>xs:sequence</i>
1 .. 1	DOCUMENT
required	<i>type</i>
required	<i>code</i>
required	<i>timestamp</i>
1 .. 1	<i>xs:sequence</i>
1 .. 1	HEADER
1 .. 1	<i>xs:sequence</i>
1 .. 1	DOCUMENT_ID
1 .. 1	INVOICE_NUMBER
1 .. 1	INVOICE_DATE
1 .. 1	CURRENCY
0 .. 1	VAT_CURRENCY
0 .. 1	TAX_POINT_DATE
0 .. 1	TAX_POINT_CODE
1 .. 1	COMMUNICATION
1 .. 1	<i>xs:sequence</i>
1 .. 1	BUSINESS_PROCESS
1 .. 1	SPECIFICATION
0 .. 1	CHANNELS
1 .. 1	<i>xs:sequence</i>
1 .. unbounded	CHANNEL
required	<i>type</i>
1 .. 1	<i>xs:sequence</i>
0 .. 1	EMAIL
0 .. 1	CC
0 .. 1	ENDPOINT_ID
optional	<i>scheme</i>
0 .. 1	PARTICIPANT_ID
optional	<i>scheme</i>
0 .. 1	CONVERSION_SETUP
1 .. 1	HEADER_REFERENCE
1 .. 1	<i>xs:sequence</i>
0 .. 1	BUYER_REFERENCE
optional	<i>scheme</i>
0 .. 1	PROJECT_REFERENCE
required	<i>scheme</i>
0 .. 1	CONTRACT_REFERENCE
required	<i>scheme</i>
0 .. 1	ORDER_NUMBER
required	<i>scheme</i>
0 .. 1	ORDER_SUPPLIER
required	<i>scheme</i>
0 .. 1	RECEIVING_ADVICE_REFERENCE
required	<i>scheme</i>

Bold = Simple Element, Bold on grey background = Complex Element, Italic = Attribute, Grey = Group

Occurrence	Element/Attribute
0 .. 1 required	DELIVERY_NOTE_NUMBER <i>scheme</i>
0 .. 1 required	DELIVERY_DATE <i>type</i>
0 .. 1	DELIVERY_PERIOD
1 .. 1	<i>xs:sequence</i>
1 .. 1	START_DATE
1 .. 1	END_DATE
0 .. 1 required	TENDER_REFERENCE <i>scheme</i>
0 .. 1 optional	OBJECT_IDENTIFIER <i>scheme</i>
0 .. 1 required	ORIGINAL_INVOICE <i>scheme</i>
0 .. 1	ORIGINAL_INVOICE_DATE
0 .. 1	INVOICE_PERIOD
1 .. 1	<i>xs:sequence</i>
1 .. 1	START_DATE
1 .. 1	END_DATE
0 .. 1	DESCRIPTION
0 .. unbounded required	HEADER_TEXT <i>type</i>
0 .. 1	HEADER_ALC
1 .. 1	<i>xs:sequence</i>
1 .. unbounded	ALC
required	<i>type</i>
required	<i>reason</i>
1 .. 1	<i>xs:sequence</i>
1 .. 1	AMOUNT
0 .. 1	BASE_AMOUNT
0 .. 1	PERCENTAGE
0 .. 1	TEXT
0 .. 1	TAX
required	<i>rate</i>
required	<i>category</i>
1 .. 1	HEADER_PAYMENT
1 .. 1	<i>xs:sequence</i>
1 .. 1	PAYMENT_TERMS
1 .. 1	<i>xs:sequence</i>
0 .. 1	DUE_DATE
0 .. 1	TERM_TEXT
0 .. 1	DISCOUNT
1 .. 1	<i>xs:sequence</i>
0 .. 1	PERCENTAGE
0 .. 1	AMOUNT
0 .. 1	BASE_AMOUNT
0 .. 1	DUE_DATE
0 .. 1	TERM_TEXT
0 .. 1	PAYMENT_INSTRUCTIONS
1 .. 1	<i>xs:sequence</i>

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Occurrence	Element/Attribute
1 .. 1	PAYMENT_MEANS_CODE
0 .. 1	METHOD
0 .. 1	REMITTANCE_INFORMATION
0 .. 1	PAYMENT_ID
0 .. unbounded	PAYEE_ACCOUNT
required	<i>type</i>
1 .. 1	<i>xs:sequence</i>
0 .. 1	BANK_NAME
0 .. 1	IBAN
0 .. 1	ACCOUNT_NUMBER_ID
0 .. 1	BIC
0 .. 1	ACCOUNT_HOLDER
0 .. 1	CARD_ACCOUNT
1 .. 1	<i>xs:sequence</i>
1 .. 1	ACCOUNT_NUMBER_ID
0 .. 1	HOLDER_NAME
0 .. 1	MANDATE_REFERENCE
0 .. 1	DEBTOR_ACCOUNT
0 .. 1	DEBTOR_IBAN
1 .. 1	PARTIES
1 .. 1	<i>xs:sequence</i>
1 .. unbounded	PARTY
optional	<i>is</i>
1 .. 1	<i>xs:sequence</i>
1 .. 1	NAME
0 .. 1	TRADING_NAME
0 .. unbounded	ID
required	<i>type</i>
0 .. 1	LEGAL_ID
optional	<i>scheme</i>
0 .. 1	LEGAL_INFO
0 .. 1	ENDPOINT_ID
optional	<i>scheme</i>
0 .. 1	ADDRESS
1 .. 1	<i>xs:sequence</i>
1 .. 1	STREET
0 .. 1	STREET2
0 .. 1	STREET3
1 .. 1	CITY
0 .. 1	POSTAL_CODE
0 .. 1	STATE
1 .. 1	COUNTRY
0 .. 1	CONTACT
1 .. 1	<i>xs:sequence</i>
1 .. 1	NAME
0 .. 1	PHONE
0 .. 1	EMAIL
0 .. 1	ATTACHMENTS
1 .. 1	<i>xs:sequence</i>
1 .. unbounded	ATTACHMENT_REFERENCE

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Occurrence	Element/Attribute
1 .. 1	xs:sequence
1 .. 1	ATTACHMENT_ID
0 .. 1	ATTACHMENT_TYPE_CODE
0 .. 1	ATTACHMENT_TYPE
1 .. 1	ATTACHMENT
optional	<i>filename</i>
optional	<i>mimetype</i>
1 .. 1	POSITION
1 .. 1	xs:sequence
1 .. unbounded	ITEM
1 .. 1	xs:sequence
1 .. 1	LINE_ID
0 .. 1	LINE_NOTE
0 .. 1	OBJECT_IDENTIFIER
optional	<i>scheme</i>
1 .. 1	DESCRIPTION
0 .. 1	DESCRIPTION_EXTENDED
0 .. unbounded	MATERIAL_NUMBER
optional	<i>party</i>
0 .. 1	CLASSIFICATION
optional	<i>scheme</i>
0 .. 1	COUNTRY_OF_ORIGIN
0 .. 1	ATTRIBUTES
1 .. 1	xs:sequence
1 .. unbounded	ATTRIBUTE
required	<i>name</i>
required	<i>value</i>
1 .. 1	QUANTITY
required	<i>unit</i>
0 .. 1	DELIVERED_QUANTITY
required	<i>unit</i>
1 .. 1	PRICE
0 .. 1	PRICE_BASIS
required	<i>unit</i>
0 .. 1	PRICE_DISCOUNT
0 .. 1	LINE_GROSS
0 .. 1	POS_ALC
1 .. 1	xs:sequence
1 .. unbounded	ALC
required	<i>type</i>
required	<i>reason</i>
1 .. 1	xs:sequence
1 .. 1	AMOUNT
0 .. 1	BASE_AMOUNT
0 .. 1	PERCENTAGE
0 .. 1	TEXT
0 .. 1	TAX
required	<i>rate</i>
required	<i>category</i>
1 .. 1	LINE_AMOUNT

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Occurrence	Element/Attribute
1 .. 1 required required	TAX <i>rate</i> <i>category</i>
0 .. 1	LINE_PERIOD
1 .. 1	<i>xs:sequence</i>
1 .. 1	START_DATE
1 .. 1	END_DATE
0 .. 1	POS_REFERENCE
1 .. 1	<i>xs:sequence</i>
0 .. 1 optional	ORDER_NUMBER <i>line</i>
0 .. 1	ORDER_DATE
0 .. 1 optional	DELIVERY_NOTE_NUMBER <i>line</i>
0 .. 1 optional	DELIVERY_DATE <i>time</i>
0 .. 1	ATTACHMENT_REFERENCE
0 .. unbounded required	POS_TEXT <i>type</i>
1 .. 1	SUMMARY
1 .. 1	<i>xs:sequence</i>
1 .. 1	TOTAL_NET
0 .. 1	TOTAL_ALLOWANCE
0 .. 1	TOTAL_CHARGE
1 .. 1	TOTAL_NET_AFTER_ALC
1 .. 1	TAX_SUMMARY
1 .. 1	<i>xs:sequence</i>
1 .. unbounded	TAX_BREAKDOWN
required	<i>category</i>
required	<i>rate</i>
optional	<i>reasonCode</i>
1 .. 1	<i>xs:sequence</i>
0 .. 1	REASON_TEXT
1 .. 1	TAXABLE_AMOUNT
1 .. 1	TAX_AMOUNT
1 .. 1	TOTAL_TAX
0 .. 1	TOTAL_TAX_ACCOUNTING_CURRENCY
1 .. 1	TOTAL_GROSS
0 .. 1	PREPAID_AMOUNT
0 .. 1	ROUNDING_AMOUNT
1 .. 1	AMOUNT_DUE

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Guideline

Element/Attribute	Annotation	
RIF_INVOIC		
<i>version</i>	Type Use	xs:string required
<i>timestamp</i>	Type Use Pattern Description	TimestampType required \d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2} Timestamp in ISO 8601 format WITHOUT timezone. Pattern: YYYY-MM-DDTHH:MM:SS Base Type: xs:dateTime with pattern restriction Valid Examples: <ul style="list-style-type: none"> • 2025-11-26T15:00:00 • 2025-01-01T00:00:00 • 2026-12-31T23:59:59 Invalid Examples: <ul style="list-style-type: none"> X 2025-11-26T15:00:00Z (timezone suffix not allowed) X 2025-11-26 15:00:00 (space instead of T separator) X 2025-9-5T15:0:0 (leading zeros required) X 26.11.2025T15:00:00 (wrong date format) Usage: RIF_INVOIC/@timestamp, DOCUMENT/@timestamp
xs:sequence	Occurrence	1 .. 1
DOCUMENT	Occurrence Type Description	1 .. 1 DocumentType Main document container for RIF_INVOIC format. Structure: <ul style="list-style-type: none"> HEADER (mandatory) - Invoice metadata, parties, payment terms ATTACHMENTS (optional) - Supporting documents (PDF, images, etc.) POSITION (mandatory) - Line items with products/services SUMMARY (mandatory) - Document totals and tax breakdown Attributes: <ul style="list-style-type: none"> @type - Document type (invoice or creditnote) @code - UN/CEFACT document type code (380=Invoice, 381=Credit Note) @timestamp - Document creation timestamp (ISO 8601) EN16931 Reference: Root level structure for electronic invoice Example: <DOCUMENT type="invoice" code="380"

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Element/Attribute	Annotation	
		timestamp="2025-11-26T15:00:00"> <HEADER>...</HEADER> <POSITION>...</POSITION> <SUMMARY>...</SUMMARY> </DOCUMENT>
<i>type</i>	Type Use	DocumentTypeEnum required
<i>code</i>	Type Use	DocumentCodeEnum required
<i>timestamp</i>	Type Use Pattern Description	TimestampType required \d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2} Timestamp in ISO 8601 format WITHOUT timezone. Pattern: YYYY-MM-DDTHH:MM:SS Base Type: xs:dateTime with pattern restriction Valid Examples: • 2025-11-26T15:00:00 • 2025-01-01T00:00:00 • 2026-12-31T23:59:59 Invalid Examples: X 2025-11-26T15:00:00Z (timezone suffix not allowed) X 2025-11-26 15:00:00 (space instead of T separator) X 2025-9-5T15:0:0 (leading zeros required) X 26.11.2025T15:00:00 (wrong date format) Usage: RIF_INVOIC/@timestamp, DOCUMENT/@timestamp
xs:sequence	Occurrence	1 .. 1
HEADER	Occurrence Type Description	1 .. 1 HeaderType Invoice header containing all document-level information. Contains: • Basic invoice information (number, date, currency) • Communication and routing information • References (order, contract, project, etc.) • Document-level allowances and charges • Payment terms and instructions • Party information (seller, buyer, payee, etc.) EN16931: Contains multiple Business Groups (BG-1 through BG-21)
xs:sequence	Occurrence	1 .. 1
DOCUMENT_ID	Occurrence Type Description	1 .. 1 xs:string Internal document identifier (system-generated or custom). Not mapped to EN16931 - for internal processing

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Element/Attribute	Annotation
INVOICE_NUMBER	<p>only.</p> <p>Occurrence 1 .. 1</p> <p>Type xs:string</p> <p>Description BT-1: Invoice number (MANDATORY) Unique identifier for this invoice assigned by the seller. Must be unique within the seller's system. Example: INV-2026-001, RE-2026-12345</p>
INVOICE_DATE	<p>Occurrence 1 .. 1</p> <p>Type DateType</p> <p>Pattern \d{4}-\d{2}-\d{2}</p> <p>Description BT-2: Invoice issue date (MANDATORY) Date when the invoice was issued. Format: YYYY-MM-DD (ISO 8601) Example: 2026-01-28</p>
CURRENCY	<p>Occurrence 1 .. 1</p> <p>Type CurrencyCodeType</p> <p>Description BT-5: Invoice currency code (MANDATORY) Currency in which all monetary amounts are expressed. ISO 4217 alpha-3 code. Common: EUR, USD, GBP, CHF Example: <CURRENCY>EUR</CURRENCY></p>
VAT_CURRENCY	<p>Occurrence 0 .. 1</p> <p>Type CurrencyCodeType</p> <p>Description BT-6: VAT accounting currency code (CONDITIONAL) Currency used for VAT accounting when different from invoice currency. Required only if VAT accounting currency differs from invoice currency. ISO 4217 alpha-3 code. Example: <VAT_CURRENCY>EUR</VAT_CURRENCY></p>
TAX_POINT_DATE	<p>Occurrence 0 .. 1</p> <p>Type DateType</p> <p>Pattern \d{4}-\d{2}-\d{2}</p> <p>Description BT-7: Value added tax point date (CONDITIONAL) Date when VAT becomes accountable for the seller. Required when different from invoice date. Format: YYYY-MM-DD (ISO 8601) Example: 2026-01-15</p>
TAX_POINT_CODE	<p>Occurrence 0 .. 1</p> <p>Type xs:string</p> <p>Description BT-8: Value added tax point date code (OPTIONAL) Code specifying when VAT becomes accountable. UNTDID 2005 code list. Common codes:</p>

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Element/Attribute	Annotation	
		3 - Invoice date 35 - Delivery date 432 - Paid date
COMMUNICATION	Occurrence	1 .. 1
	Type	CommunicationType
xs:sequence	Occurrence	1 .. 1
BUSINESS_PROCESS	Occurrence	1 .. 1
	Type	xs:string
SPECIFICATION	Occurrence	1 .. 1
	Type	xs:string
CHANNELS	Occurrence	0 .. 1
	Type	ChannelsType
xs:sequence	Occurrence	1 .. 1
CHANNEL	Occurrence	1 .. unbounded
	Type	ChannelType
type	Type	xs:string
	Use	required
xs:sequence	Occurrence	1 .. 1
EMAIL	Occurrence	0 .. 1
	Type	xs:string
CC	Occurrence	0 .. 1
	Type	xs:string
ENDPOINT_ID	Occurrence	0 .. 1
	Type	IdentifierType
scheme	Type	xs:string
	Use	optional
PARTICIPANT_ID	Occurrence	0 .. 1
	Type	IdentifierType
scheme	Type	xs:string
	Use	optional
CONVERSION_SETUP	Occurrence	0 .. 1
	Type	xs:string
HEADER_REFERENCE	Occurrence	1 .. 1
	Type	HeaderReferenceType
	Description	Document references and delivery information. Contains references to related business documents and delivery details.
		EN16931: Contains multiple Business Terms (BT-10 through BT-74)
xs:sequence	Occurrence	1 .. 1
BUYER_REFERENCE	Occurrence	0 .. 1
	Type	IdentifierType
	Description	BT-10: Buyer reference (MANDATORY in XRechnung) Identifier assigned by the buyer to identify the business context. In Germany: Leitweg-ID for public sector invoicing. Example: <BUYER_REFERENCE scheme="leitweg-id">991-12345-67</ BUYER_REFERENCE>
scheme	Type	xs:string
	Use	optional

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Element/Attribute		Annotation	
PROJECT_REFERENCE		Occurrence	0 .. 1
		Type	ProjectReferenceType
		Description	BT-11: Project reference (OPTIONAL) Reference to the project this invoice relates to. Scheme: buyer-assigned Example: <PROJECT_REFERENCE scheme="buyer-assigned">PROJ-2026-ABC</ PROJECT_REFERENCE>
	<i>scheme</i>	Type	ProjectReferenceSchemeType
		Use	required
CONTRACT_REFERENCE		Occurrence	0 .. 1
		Type	ContractReferenceType
		Description	BT-12: Contract reference (OPTIONAL) Reference to the contract this invoice relates to. Scheme: buyer-assigned Example: <CONTRACT_REFERENCE scheme="buyer-assigned">CN-2026-001</ CONTRACT_REFERENCE>
	<i>scheme</i>	Type	ContractReferenceSchemeType
		Use	required
ORDER_NUMBER		Occurrence	0 .. 1
		Type	OrderNumberType
		Description	BT-13: Purchase order reference (OPTIONAL) Reference to the buyer's purchase order. Scheme: buyer-assigned Example: <ORDER_NUMBER scheme="buyer- assigned">PO-2026-5678</ORDER_NUMBER>
	<i>scheme</i>	Type	OrderNumberSchemeType
		Use	required
ORDER_SUPPLIER		Occurrence	0 .. 1
		Type	OrderSupplierType
		Description	BT-14: Sales order reference (OPTIONAL) Reference to the seller's sales order. Scheme: seller-assigned Example: <ORDER_SUPPLIER scheme="seller- assigned">SO-2026-9876</ORDER_SUPPLIER>
	<i>scheme</i>	Type	OrderSupplierSchemeType
		Use	required
RECEIVING_ADVICE_REFERENCE		Occurrence	0 .. 1
		Type	ReceivingAdviceReferenceType
		Description	BT-15: Receiving advice reference (OPTIONAL) Reference to the buyer's receiving advice. Scheme: buyer-assigned Example: <RECEIVING_ADVICE_REFERENCE scheme="buyer-assigned">RA-2026-999</ RECEIVING_ADVICE_REFERENCE>
	<i>scheme</i>	Type	ReceivingAdviceReferenceSchemeType
		Use	required

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Element/Attribute		Annotation	
DELIVERY_NOTE_NUMBER		Occurrence	0 .. 1
		Type	DeliveryNoteNumberType
		Description	BT-16: Despatch advice reference (OPTIONAL) Reference to the seller's delivery note / despatch advice. Scheme: seller-assigned Optional line attribute for line-specific reference. Example: <DELIVERY_NOTE_NUMBER scheme="seller-assigned">DN-2026-123</DELIVERY_NOTE_NUMBER>
	<i>— scheme</i>	Type	DeliveryNoteNumberSchemeType
		Use	required
DELIVERY_DATE		Occurrence	0 .. 1
		Type	DeliveryDateType
		Description	BT-72: Actual delivery date (OPTIONAL - Part of BG-13) Date when the goods or services were actually delivered. Optional time attribute for precise delivery time. Format: YYYY-MM-DD Example: <DELIVERY_DATE>2026-01-15</DELIVERY_DATE>
	<i>— type</i>	Type	DeliveryDateTypeEnum
		Use	required
DELIVERY_PERIOD		Occurrence	0 .. 1
		Type	PeriodType
		Description	BG-14 (partial): Delivery period Period over which delivery occurred. Contains START_DATE and END_DATE. Example: <DELIVERY_PERIOD> <START_DATE>2026-01-10</START_DATE> <END_DATE>2026-01-15</END_DATE> </DELIVERY_PERIOD>
	<i>— xs:sequence</i>	Occurrence	1 .. 1
START_DATE		Occurrence	1 .. 1
		Type	DateType
		Pattern	\d{4}-\d{2}-\d{2}
		Description	Date in ISO 8601 format. Pattern: YYYY-MM-DD Base Type: xs:date with pattern restriction Valid Examples: • 2025-11-26 • 2025-01-01 • 2026-12-31 Invalid Examples: X 26.11.2025 (German format) X 11/26/2025 (US format) X 2025-9-5 (leading zeros required)

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Element/Attribute	Annotation
	X 26-11-2025 (wrong order)
	Usage: INVOICE_DATE, DUE_DATE, DELIVERY_DATE, TAX_POINT_DATE, etc. EN16931: BT-2, BT-9, BT-72, BT-7, and others
END_DATE	<p>Occurrence 1 .. 1</p> <p>Type DateType</p> <p>Pattern \d{4}-\d{2}-\d{2}</p> <p>Description Date in ISO 8601 format.</p> <p>Pattern: YYYY-MM-DD Base Type: xs:date with pattern restriction</p> <p>Valid Examples:</p> <ul style="list-style-type: none"> • 2025-11-26 • 2025-01-01 • 2026-12-31 <p>Invalid Examples:</p> <ul style="list-style-type: none"> X 26.11.2025 (German format) X 11/26/2025 (US format) X 2025-9-5 (leading zeros required) X 26-11-2025 (wrong order) <p>Usage: INVOICE_DATE, DUE_DATE, DELIVERY_DATE, TAX_POINT_DATE, etc. EN16931: BT-2, BT-9, BT-72, BT-7, and others</p>
TENDER_REFERENCE	<p>Occurrence 0 .. 1</p> <p>Type TenderReferenceType</p> <p>Description BT-17: Tender or lot reference (OPTIONAL) Reference to the call for tender or lot. Scheme: buyer-assigned</p> <p>Example: <TENDER_REFERENCE scheme="buyer-assigned">TENDER-2026-XYZ</TENDER_REFERENCE></p>
<i>scheme</i>	Type TenderReferenceSchemeType
OBJECT_IDENTIFIER	<p>Occurrence 0 .. 1</p> <p>Type IdentifierType</p> <p>Description BT-18: Invoiced object identifier (OPTIONAL) Identifier for an object on which the invoice is based.</p> <p>Example: <OBJECT_IDENTIFIER scheme="BANK">PAYMENT-REF-12345</OBJECT_IDENTIFIER></p>
<i>scheme</i>	Type xs:string
ORIGINAL_INVOICE	<p>Occurrence 0 .. 1</p> <p>Type OriginalInvoiceType</p> <p>Description BT-25: Preceding invoice number (CONDITIONAL) Reference to the original invoice being corrected. Required for credit notes. Scheme: seller-assigned</p>

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Element/Attribute	Annotation
<i>scheme</i>	<p>Example: <ORIGINAL_INVOICE scheme="seller-assigned">INV-2026-0001</ORIGINAL_INVOICE></p> <p>Type OriginalInvoiceSchemeType Use required</p>
ORIGINAL_INVOICE_DATE	<p>Occurrence 0 .. 1 Type DateType Pattern \d{4}-\d{2}-\d{2} Description BT-26: Preceding invoice issue date (CONDITIONAL) Issue date of the original invoice being corrected. Required for credit notes. Format: YYYY-MM-DD</p> <p>Example: <ORIGINAL_INVOICE_DATE>2026-01-01</ORIGINAL_INVOICE_DATE></p>
INVOICE_PERIOD	<p>Occurrence 0 .. 1 Type InvoicePeriodType Description BG-14: Invoicing period (OPTIONAL) Period to which the invoice relates. Contains START_DATE (BT-73), END_DATE (BT-74), and optional DESCRIPTION.</p> <p>Example: <INVOICE_PERIOD> <START_DATE>2026-01-01</START_DATE> <END_DATE>2026-01-31</END_DATE> <DESCRIPTION>January 2026 billing period</DESCRIPTION> </INVOICE_PERIOD></p>
<i>xs:sequence</i>	Occurrence 1 .. 1
START_DATE	<p>Occurrence 1 .. 1 Type DateType Pattern \d{4}-\d{2}-\d{2} Description Date in ISO 8601 format.</p> <p>Pattern: YYYY-MM-DD Base Type: xs:date with pattern restriction</p> <p>Valid Examples: • 2025-11-26 • 2025-01-01 • 2026-12-31</p> <p>Invalid Examples: X 26.11.2025 (German format) X 11/26/2025 (US format) X 2025-9-5 (leading zeros required) X 26-11-2025 (wrong order)</p> <p>Usage: INVOICE_DATE, DUE_DATE, DELIVERY_DATE, TAX_POINT_DATE, etc. EN16931: BT-2, BT-9, BT-72, BT-7, and others</p>
END_DATE	<p>Occurrence 1 .. 1 Type DateType Pattern \d{4}-\d{2}-\d{2}</p>

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Element/Attribute	Annotation
	<p>Description Date in ISO 8601 format.</p> <p>Pattern: YYYY-MM-DD Base Type: xs:date with pattern restriction</p> <p>Valid Examples:</p> <ul style="list-style-type: none"> • 2025-11-26 • 2025-01-01 • 2026-12-31 <p>Invalid Examples:</p> <ul style="list-style-type: none"> X 26.11.2025 (German format) X 11/26/2025 (US format) X 2025-9-5 (leading zeros required) X 26-11-2025 (wrong order) <p>Usage: INVOICE_DATE, DUE_DATE, DELIVERY_DATE, TAX_POINT_DATE, etc. EN16931: BT-2, BT-9, BT-72, BT-7, and others</p>
DESCRIPTION	<p>Occurrence 0 .. 1 Type xs:string</p>
HEADER_TEXT	<p>Occurrence 0 .. unbounded Type HeaderTextType</p>
<i>type</i>	<p>Type xs:string Use required</p>
HEADER_ALC	<p>Occurrence 0 .. 1 Type HeaderALCType</p>
<i>xs:sequence</i>	<p>Occurrence 1 .. 1</p>
ALC	<p>Occurrence 1 .. unbounded Type ALCType Description Allowances and Charges (Reductions and Additional Costs)</p> <p>EN16931 Mapping:</p> <p>Document level:</p> <ul style="list-style-type: none"> • ALLOWANCE: BG-20 (Document level allowances) • CHARGE: BG-21 (Document level charges) <p>Line level:</p> <ul style="list-style-type: none"> • ALLOWANCE: BG-27 (Line level allowances) • CHARGE: BG-28 (Line level charges) <p>Type Values:</p> <ul style="list-style-type: none"> • ALLOWANCE - Reductions (discount, rebate, price reduction) • CHARGE - Additional costs (freight, packaging, fuel surcharge) <p>Reason Codes:</p> <ul style="list-style-type: none"> • DISCOUNT - General discount or rebate • FREIGHT - Shipping/transportation costs • FUEL_SURCHARGE - Fuel price surcharge • PACKAGING - Packaging materials/costs <p>Elements:</p>

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Element/Attribute	Annotation
	<ul style="list-style-type: none"> • AMOUNT (mandatory) - Net allowance/charge amount • BASE_AMOUNT (optional) - Base amount for percentage calculation • PERCENTAGE (optional) - Discount/charge percentage • TEXT (optional) - Free text description • TAX (optional) - Tax information for this ALC <p>Example - Document level discount (5% early payment):</p> <pre><ALC type="ALLOWANCE" reason="DISCOUNT"> <AMOUNT>50.00</AMOUNT> <BASE_AMOUNT>1000.00</BASE_AMOUNT> <PERCENTAGE>5.0</PERCENTAGE> <TEXT>Early payment discount (14 days)</TEXT> </ALC></pre> <p>Example - Line level charge (packaging):</p> <pre><ALC type="CHARGE" reason="PACKAGING"> <AMOUNT>5.00</AMOUNT> <TEXT>Special protective packaging</TEXT> </ALC></pre> <p>Example - Document level freight charge:</p> <pre><ALC type="CHARGE" reason="FREIGHT"> <AMOUNT>25.00</AMOUNT> <TEXT>Standard shipping</TEXT> <TAX rate="19" category="S">4.75</TAX> </ALC></pre>
<i>type</i>	Type Use ALCTypeEnum required
<i>reason</i>	Type Use ALCReasonEnum required
<i>xs:sequence</i>	Occurrence 1 .. 1
AMOUNT	Occurrence Type 1 .. 1 MoneyType
BASE_AMOUNT	Occurrence Type 0 .. 1 MoneyType
PERCENTAGE	Occurrence Type 0 .. 1 PercentageType FractionDigits 2
TEXT	Occurrence Type 0 .. 1 xs:string
TAX	Occurrence Type 0 .. 1 TaxType
<i>rate</i>	Type Use xs:decimal required
<i>category</i>	Type Use TaxCategoryCodeType required
HEADER_PAYMENT	Occurrence Type Description 1 .. 1 HeaderPaymentType Payment information for the invoice.

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute	Annotation
	<p>EN16931: Contains BG-16 (Payment instructions) and BG-17 (Credit transfer)</p> <p>Contains payment terms (due date, discounts) and payment instructions (bank account details, payment method, etc.).</p> <p>Structure:</p> <p>PAYMENT_TERMS (mandatory) - When and how payment is due</p> <p>PAYMENT_INSTRUCTIONS (optional) - How to pay (bank account, etc.)</p>
xs:sequence	Occurrence 1 .. 1
PAYMENT_TERMS	<p>Occurrence 1 .. 1</p> <p>Type PaymentTermsType</p> <p>Description Payment terms and conditions.</p> <p>Contains due date, payment terms text, and optional cash discount.</p> <p>At least one element should be provided.</p> <p>Example:</p> <pre><PAYMENT_TERMS> <DUE_DATE>2026-02-28</DUE_DATE> <TERM_TEXT>Payment within 30 days net</TERM_TEXT> <DISCOUNT> <PERCENTAGE>2.0</PERCENTAGE> <DUE_DATE>2026-02-14</DUE_DATE> <TERM_TEXT>2% discount if paid within 14 days</TERM_TEXT> </DISCOUNT> </PAYMENT_TERMS></pre>
xs:sequence	Occurrence 1 .. 1
DUE_DATE	<p>Occurrence 0 .. 1</p> <p>Type DateType</p> <p>Pattern \d{4}-\d{2}-\d{2}</p> <p>Description BT-9: Payment due date (OPTIONAL) Date when payment is due. Format: YYYY-MM-DD</p> <p>Example: <DUE_DATE>2026-02-28</DUE_DATE></p>
TERM_TEXT	<p>Occurrence 0 .. 1</p> <p>Type xs:string</p> <p>Description BT-20: Payment terms (OPTIONAL) Textual description of payment terms and conditions.</p> <p>Examples:</p> <ul style="list-style-type: none"> • Payment within 30 days net • Zahlbar innerhalb 14 Tagen ohne Abzug • 2% discount within 10 days, net 30
DISCOUNT	<p>Occurrence 0 .. 1</p> <p>Type DiscountType</p> <p>Description BG-99: Cash discount terms (OPTIONAL - Extension to</p>

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute	Annotation
	EN16931) Optional early payment discount (Skonto). Example: 2% discount if paid within 14 days
xs:sequence	Occurrence 1 .. 1
PERCENTAGE	Occurrence 0 .. 1 Type PercentageType FractionDigits 2 Description Discount percentage (0-100). Example: 2.0 for 2% discount
AMOUNT	Occurrence 0 .. 1 Type MoneyType Description Discount amount in invoice currency. Calculated as: $\text{BASE_AMOUNT} \times (\text{PERCENTAGE} / 100)$
BASE_AMOUNT	Occurrence 0 .. 1 Type MoneyType Description Base amount for discount calculation. Usually the total gross amount. Example: 1000.00
DUE_DATE	Occurrence 0 .. 1 Type DateType Pattern \d{4}-\d{2}-\d{2} Description Due date for discount eligibility. Payment must be received by this date to qualify for discount. Example: 2026-02-14
TERM_TEXT	Occurrence 0 .. 1 Type xs:string Description Textual description of discount terms. Example: 2% Skonto bei Zahlung innerhalb 14 Tagen
PAYMENT_INSTRUCTIONS	Occurrence 0 .. 1 Type PaymentInstructionsType Description Payment instructions - how to pay. EN16931: BG-16 (Payment instructions), BG-17 (Credit transfer), BG-18 (Card), BG-19 (Direct debit) Contains payment method code, bank account details, card information, or direct debit mandate information. Example - Bank transfer: <PAYMENT_INSTRUCTIONS> <PAYMENT_MEANS_CODE>58</PAYMENT_MEANS_CODE> <REMITTANCE_INFORMATION>Invoice INV-2026-001</REMITTANCE_INFORMATION> <PAYEE_ACCOUNT type="main"> <BANK_NAME>Deutsche Bank AG</BANK_NAME>

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute	Annotation
	<BIC>DEUTDEFF</BIC> <ACCOUNT_HOLDER>Company GmbH</ACCOUNT_HOLDER> </PAYEE_ACCOUNT> </PAYMENT_INSTRUCTIONS>
<i>xs:sequence</i>	Occurrence 1 .. 1
PAYMENT_MEANS_CODE	Occurrence 1 .. 1 Type xs:string Description BT-81: Payment means type code (MANDATORY) UN/CEFACT code list 4461. Common codes: <ul style="list-style-type: none"> • 30 - Credit transfer • 48 - Bank card • 49 - Direct debit • 58 - SEPA credit transfer • 59 - SEPA direct debit Example: <PAYMENT_MEANS_CODE>58</PAYMENT_MEANS_CODE>
METHOD	Occurrence 0 .. 1 Type xs:string Description BT-82: Payment means text (OPTIONAL) Textual description of payment method. Example: SEPA Überweisung
REMITTANCE_INFORMATION	Occurrence 0 .. 1 Type xs:string Description BT-83: Remittance information (OPTIONAL) Reference to be included in payment (Verwendungszweck). Examples: <ul style="list-style-type: none"> • Invoice INV-2026-001 • RE-2026-12345 • Customer number 12345
PAYMENT_ID	Occurrence 0 .. 1 Type xs:string Description BT-83: Payment reference (OPTIONAL) Alternative payment reference identifier. Example: REF-2026-001
PAYEE_ACCOUNT	Occurrence 0 .. unbounded Type PayeeAccountType Description BG-17: Credit transfer (OPTIONAL but highly recommended) Bank account information for payment. Multiple accounts possible (main + optional alternatives). See PayeeAccountType for details.
<i>type</i>	Type PayeeAccountTypeEnum Use required Description Account priority: "main" or "optional"

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute	Annotation
	<ul style="list-style-type: none"> • main - Primary payment account • optional - Alternative payment account
	Example: type="main"
xs:sequence	Occurrence 1 .. 1
BANK_NAME	Occurrence 0 .. 1 Type xs:string Description BT-86: Payment service provider identifier (OPTIONAL) Name of the bank. Example: Deutsche Bank AG
IBAN	Occurrence 0 .. 1 Type xs:string Description BT-84: Payment account identifier (CONDITIONAL) IBAN of the payee's account. Mandatory in EU/EEA for SEPA payments. Format: 2 letter country code + 2 check digits + up to 30 alphanumeric Example: DE89370400440532013000
ACCOUNT_NUMBER_ID	Occurrence 0 .. 1 Type xs:string Description BT-84: Payment account identifier (CONDITIONAL) Account number (alternative to IBAN for non-SEPA). Example: 532013000
BIC	Occurrence 0 .. 1 Type xs:string Description BT-86: Payment service provider identifier (OPTIONAL) BIC/SWIFT code of the bank. Format: 8 or 11 characters Example: DEUTDEFF or DEUTDEFFXXX
ACCOUNT_HOLDER	Occurrence 0 .. 1 Type xs:string Description BT-85: Payment account name (OPTIONAL) Name of the account holder. Example: Company GmbH
CARD_ACCOUNT	Occurrence 0 .. 1 Type CardAccountType Description BG-18: Payment card information (OPTIONAL) Card details if payment by card. See CardAccountType for details.
xs:sequence	Occurrence 1 .. 1
ACCOUNT_NUMBER_ID	Occurrence 1 .. 1 Type xs:string Description BT-87: Payment card primary account number (MANDATORY if card payment) Masked card number (PAN). Only last 4-6 digits should be visible.

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute	Annotation
	<p>Examples:</p> <ul style="list-style-type: none"> • *****1234 • XXXX-XXXX-XXXX-1234 • ***123
HOLDER_NAME	<p>Occurrence 0 .. 1</p> <p>Type xs:string</p> <p>Description BT-88: Payment card holder name (OPTIONAL) Name of the card holder as it appears on the card.</p>
MANDATE_REFERENCE	<p>Example: Max Mustermann</p> <p>Occurrence 0 .. 1</p> <p>Type xs:string</p> <p>Description BT-89: Mandate reference identifier (CONDITIONAL) SEPA direct debit mandate reference. Required if PAYMENT_MEANS_CODE is 49 or 59.</p>
DEBTOR_ACCOUNT	<p>Example: MANDATE-2026-001</p> <p>Occurrence 0 .. 1</p> <p>Type xs:string</p> <p>Description BT-91: Debited account identifier (CONDITIONAL) Bank account to be debited (for direct debit).</p>
DEBTOR_IBAN	<p>Example: Account number or IBAN</p> <p>Occurrence 0 .. 1</p> <p>Type xs:string</p> <p>Description Debtor's IBAN (OPTIONAL - Extension) IBAN of the account to be debited.</p>
PARTIES	<p>Example: DE89370400440532013000</p> <p>Occurrence 1 .. 1</p> <p>Type PartiesType</p>
xs:sequence	Occurrence 1 .. 1
PARTY	<p>Occurrence 1 .. unbounded</p> <p>Type PartyType</p> <p>Description Party information for Seller, Buyer, Payee, Tax Representative, or Delivery Party.</p> <p>EN16931 Mapping (BG - Business Group):</p> <ul style="list-style-type: none"> • Seller (is="SE"): BG-4 (MANDATORY) • Buyer (is="BY"): BG-7 (MANDATORY) • Payee (is="PE"): BG-10 (OPTIONAL - if different from seller) • Tax Representative (is="TR"): BG-11 (OPTIONAL) • Delivery Party (is="DP"): BG-13 (OPTIONAL - if different from seller) <p>Element Structure (strict order):</p> <ol style="list-style-type: none"> 1. NAME (mandatory) - BT-27/BT-44/BT-59/BT-62/BT-70 2. TRADING_NAME (optional) - BT-28/BT-45 3. ID (multiple, optional) - Party identifiers with type attribute

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute		Annotation	
		<p>Types: GLN, VAT, TAX, etc.</p> <p>4. LEGAL_ID (optional) - BT-30/BT-47 - Legal registration ID</p> <p>5. LEGAL_INFO (optional) - BT-33 - Additional legal information</p> <p>6. ENDPOINT_ID (optional) - BT-34/BT-49 - Electronic address</p> <p>7. ADDRESS (optional) - BG-5/BG-8/BG-12/BG-15</p> <p>8. CONTACT (optional) - BG-6/BG-9</p> <p>CRITICAL CONSTRAINT: All <ID> elements MUST appear BEFORE <LEGAL_ID>! Violating this order will cause validation failure.</p> <p>Example - Seller:</p> <pre> <PARTY is="SE"> <NAME>Seller Company GmbH</NAME> <TRADING_NAME>Seller Brand</ TRADING_NAME> <ID type="GLN">4026227000001</ID> <ID type="VAT">DE123456789</ID> <LEGAL_ID scheme="0204">HRB 12345</ LEGAL_ID> <LEGAL_INFO>Amtsgericht Berlin HRB 12345</ LEGAL_INFO> <ENDPOINT_ID scheme="0088">4026227000001</ENDPOINT_ID> <ADDRESS> <STREET>Hauptstraße 1</STREET> <CITY>Berlin</CITY> <POSTAL_CODE>10115</POSTAL_CODE> <COUNTRY>DE</COUNTRY> </ADDRESS> <CONTACT> <NAME>Max Mustermann</NAME> <PHONE>+49 30 12345678</PHONE> <EMAIL>info@seller.de</EMAIL> </CONTACT> </PARTY> </pre> <p>Example - Payee (minimal):</p> <pre> <PARTY is="PE"> <NAME>Factoring Bank AG</NAME> <ID type="GLN">4012345678901</ID> <LEGAL_ID scheme="0204">HRB 99999</ LEGAL_ID> </PARTY> </pre>	
	/is	Type	PartyRoleEnum
		Use	optional
	xs:sequence	Occurrence	1 .. 1
	NAME	Occurrence	1 .. 1
		Type	xs:string
	TRADING_NAME	Occurrence	0 .. 1
		Type	xs:string

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Element/Attribute		Annotation	
ID		Occurrence	0 .. unbounded
		Type	IDType
	<i>type</i>	Type Use	xs:string required
LEGAL_ID		Occurrence	0 .. 1
		Type	IdentifierType
	<i>scheme</i>	Type Use	xs:string optional
LEGAL_INFO		Occurrence	0 .. 1
		Type	xs:string
ENDPOINT_ID		Occurrence	0 .. 1
		Type	IdentifierType
		Type Use	xs:string optional
ADDRESS		Occurrence	0 .. 1
		Type	AddressType
		Description	<p>Postal address information.</p> <p>EN16931 Mapping (depends on Party role):</p> <ul style="list-style-type: none"> • Seller address: BG-5 (BT-35 to BT-40) • Buyer address: BG-8 (BT-50 to BT-55) • Payee address: Not in EN16931 core • Tax Representative address: BG-12 (BT-63 to BT-68) • Delivery address: BG-15 (BT-75 to BT-80) <p>Structure:</p> <p>STREET (mandatory) - Main address line STREET2 (optional) - Additional address line 2 STREET3 (optional) - Additional address line 3 CITY (mandatory) - City name POSTAL_CODE (optional) - ZIP/Postal code STATE (optional) - State/Province/Region COUNTRY (mandatory) - ISO 3166-1 alpha-2 country code</p> <p>Examples:</p> <pre><ADDRESS> <STREET>Hauptstraße 123</STREET> <STREET2>Gebäude A</STREET2> <CITY>Berlin</CITY> <POSTAL_CODE>10115</POSTAL_CODE> <COUNTRY>DE</COUNTRY> </ADDRESS></pre> <p>International example:</p> <pre><ADDRESS> <STREET>123 Main Street</STREET> <STREET2>Suite 100</STREET2> <CITY>New York</CITY> <POSTAL_CODE>10001</POSTAL_CODE> <STATE>NY</STATE> <COUNTRY>US</COUNTRY> </ADDRESS></pre>

Bold = Element, *Italic* = Attribute, Grey = Group

Element/Attribute		Annotation	
	xs:sequence	Occurrence	1 .. 1
	STREET	Occurrence	1 .. 1
		Type	xs:string
		Description	BT-35/BT-50/BT-64/BT-75: Address line 1 (MANDATORY) Main street address line. Example: Hauptstraße 123
	STREET2	Occurrence	0 .. 1
		Type	xs:string
		Description	BT-36/BT-51/BT-65/BT-76: Address line 2 (OPTIONAL) Additional address information (building, floor, etc.). Example: Gebäude A, 2. Stock
	STREET3	Occurrence	0 .. 1
		Type	xs:string
		Description	BT-162/BT-163/BT-164/BT-165: Address line 3 (OPTIONAL) Third address line if needed. Example: c/o Max Mustermann
	CITY	Occurrence	1 .. 1
		Type	xs:string
		Description	BT-37/BT-52/BT-66/BT-77: City (MANDATORY) City or town name. Example: Berlin, München, London
	POSTAL_CODE	Occurrence	0 .. 1
		Type	xs:string
		Description	BT-38/BT-53/BT-67/BT-78: Post code (OPTIONAL) ZIP code or postal code. Examples: 10115, SW1A 1AA, 75001
	STATE	Occurrence	0 .. 1
		Type	xs:string
		Description	BT-39/BT-54/BT-68/BT-79: Country subdivision (OPTIONAL) State, province, or region. Important for countries like US, Canada, Australia. Examples: Bayern, California, NSW
	COUNTRY	Occurrence	1 .. 1
		Type	CountryCodeType
		Pattern	[A-Z]{2}
		Description	BT-40/BT-55/BT-69/BT-80: Country code (MANDATORY) ISO 3166-1 alpha-2 country code. Examples: DE, US, GB, FR, AT, CH
	CONTACT	Occurrence	0 .. 1
		Type	ContactType
		Description	Contact point information within a party. EN16931 Mapping (depends on Party role):

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Element/Attribute	Annotation
	<ul style="list-style-type: none"> • Seller contact: BG-6 (BT-41, BT-42, BT-43) • Buyer contact: BG-9 (BT-56, BT-57, BT-58) <p>Contains contact person name and communication details. All elements are optional but at least one should be provided for practical communication purposes.</p> <p>Example: <CONTACT> <NAME>Max Mustermann</NAME> <PHONE>+49 30 12345678</PHONE> <EMAIL>max.mustermann@company.de</EMAIL> </CONTACT> </p>
xs:sequence	Occurrence 1 .. 1
NAME	Occurrence 1 .. 1 Type xs:string Description BT-41/BT-56: Contact point (MANDATORY in ContactType) Name of the contact person or department. Examples: <ul style="list-style-type: none"> • Max Mustermann • Accounts Department • Customer Service • Herr Schmidt
PHONE	Occurrence 0 .. 1 Type xs:string Description BT-42/BT-57: Contact telephone number (OPTIONAL) Phone number for the contact point. Recommended format: International format with country code. Examples: <ul style="list-style-type: none"> • +49 30 12345678 • +44 20 7946 0958 • +1 212 555 0123
EMAIL	Occurrence 0 .. 1 Type xs:string Description BT-43/BT-58: Contact email address (OPTIONAL) Email address for the contact point. Examples: <ul style="list-style-type: none"> • info@company.de • accounting@company.com • max.mustermann@company.de
ATTACHMENTS	Occurrence 0 .. 1 Type AttachmentsType Description Container for invoice attachments. EN16931: BG-24 (Additional supporting documents) Contains one or more ATTACHMENT_REFERENCE elements.

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Element/Attribute	Annotation
	<p>Each reference can contain the actual attachment data (embedded) or reference to an external document.</p> <p>Common use cases:</p> <ul style="list-style-type: none"> • PDF copy of invoice for visual representation • Delivery notes, packing lists • Technical drawings, specifications • Certificates, test reports • Photos of delivered goods • Time sheets (for service invoices) <p>Example:</p> <pre> <ATTACHMENTS> <ATTACHMENT_REFERENCE> <ATTACHMENT_ID>DOC-001</ ATTACHMENT_ID> <ATTACHMENT_TYPE>Invoice PDF</ ATTACHMENT_TYPE> <ATTACHMENT_filename="invoice.pdf" mimetype="application/pdf"> JVBERi0xLjQKJelJz9MK... </ATTACHMENT> </ATTACHMENT_REFERENCE> </ATTACHMENTS> </pre>
xs:sequence	Occurrence 1 .. 1
ATTACHMENT_REFERENCE	<p>Occurrence 1 .. unbounded</p> <p>Type AttachmentReferenceType</p> <p>Description Reference to a single attachment.</p> <p>EN16931: BG-24 (Additional supporting documents)</p> <p>Contains metadata about the attachment and the actual attachment data.</p> <p>Structure:</p> <ul style="list-style-type: none"> ATTACHMENT_ID (mandatory) - Unique identifier for this attachment ATTACHMENT_TYPE_CODE (optional) - Code classifying the attachment ATTACHMENT_TYPE (optional) - Description of attachment type ATTACHMENT (mandatory) - The actual attachment data (Base64 encoded) <p>Example:</p> <pre> <ATTACHMENT_REFERENCE> <ATTACHMENT_ID>DOC- 001</ATTACHMENT_ID> <ATTACHMENT_TYPE_CODE>130</ ATTACHMENT_TYPE_CODE> <ATTACHMENT_TYPE>Invoice PDF</ ATTACHMENT_TYPE> <ATTACHMENT_filename="invoice.pdf" mimetype="application/pdf"> </pre>

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Element/Attribute	Annotation
	</ATTACHMENT> </ATTACHMENT_REFERENCE>
xs:sequence	Occurrence 1 .. 1
ATTACHMENT_ID	Occurrence 1 .. 1 Type xs:string Description BT-122: Supporting document reference (MANDATORY if attachment present) Unique identifier for this attachment within the invoice. Examples: DOC-001, ATT-001, DELIVERY-NOTE-123
ATTACHMENT_TYPE_CODE	Occurrence 0 .. 1 Type xs:string Description Attachment type code (OPTIONAL) Code classifying the type of attachment. UN/CEFACT code list 1001 or custom scheme. Common codes: <ul style="list-style-type: none"> • 130 - Invoice • 50 - Delivery note • 916 - Related document Example: <ATTACHMENT_TYPE_CODE>130</ATTACHMENT_TYPE_CODE>
ATTACHMENT_TYPE	Occurrence 0 .. 1 Type xs:string Description BT-123: Supporting document description (OPTIONAL) Textual description of what this attachment contains. Examples: <ul style="list-style-type: none"> • Invoice PDF • Delivery Note DN-2026-123 • Technical Specification • Time Sheet January 2026 • Product Photo
ATTACHMENT	Occurrence 1 .. 1 Type AttachmentType Description BT-125: Attached document (CONDITIONAL) The actual attachment content, Base64 encoded. Must include: <ul style="list-style-type: none"> • filename attribute - Name of the file • mimetype attribute - IANA Media Type Content: Base64-encoded binary data Example: <ATTACHMENT filename="invoice.pdf" mimetype="application/pdf"> JVBERi0xLjQKJeLjz9MKMSAwIG9iago8PC9UeXBIL0... </ATTACHMENT>

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute		Annotation	
filename		Type	xs:string
		Use	optional
		Description	Filename of the attachment including extension.
			Examples: <ul style="list-style-type: none">• invoice.pdf• delivery-note.pdf• specifications.docx• photo.jpg• timesheet.xlsx
mimetype		Type	MimeTypeEnum
		Use	optional
		Description	IANA Media Type (MIME type) of the attachment.
			Common types: <ul style="list-style-type: none">• application/pdf - PDF documents• application/xml - XML files• image/jpeg - JPEG images• image/png - PNG images• application/vnd.openxmlformats-officedocument.wordprocessingml.document - Word .docx• application/vnd.openxmlformats-officedocument.spreadsheetml.sheet - Excel .xlsx See MimeTypeEnum for complete list of supported types.
POSITION		Occurence	1 .. 1
		Type	PositionType
xs:sequence		Occurence	1 .. 1
ITEM		Occurence	1 .. unbounded
		Type	ItemType
		Description	Invoice line item (product or service).
			EN16931: BG-25 (Invoice line) Contains all information about one invoiced item including description, quantity, price, allowances/charges, and tax.
xs:sequence		Occurence	1 .. 1
LINE_ID		Occurence	1 .. 1
		Type	xs:string
		Description	BT-126: Invoice line identifier (MANDATORY) Unique identifier for this invoice line. Sequential number or other unique identifier.
			Example: 1, 2, 3 or LINE-001, LINE-002
LINE_NOTE		Occurence	0 .. 1
		Type	xs:string
		Description	BT-127: Invoice line note (OPTIONAL) Free text note about this line item.
			Example: Delivered in special packaging
OBJECT_IDENTIFIER		Occurence	0 .. 1
		Type	IdentifierType

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Element/Attribute		Annotation	
		Description	BT-128: Invoice line object identifier (OPTIONAL) Identifier for an object on which the invoice line is based. Example: <OBJECT_IDENTIFIER scheme="AAA">OBJ-12345</OBJECT_IDENTIFIER>
	<i>— scheme</i>	Type	xs:string
		Use	optional
	DESCRIPTION	Occurrence	1 .. 1
		Type	xs:string
		Description	BT-153: Item name (MANDATORY) Name of the item (product or service). Example: Office Chair Premium Model X
	DESCRIPTION_EXTENDED	Occurrence	0 .. 1
		Type	xs:string
		Description	BT-154: Item description (OPTIONAL) Extended description of the item. Example: Ergonomic office chair with lumbar support and adjustable armrests
	MATERIAL_NUMBER	Occurrence	0 .. unbounded
		Type	MaterialNumberType
		Description	BT-155: Item seller's identifier (OPTIONAL - party="SE") BT-156: Item buyer's identifier (OPTIONAL - party="BY") BT-157: Item standard identifier (OPTIONAL - party="EAN") Product identifier from seller, buyer, or standard scheme. Multiple identifiers allowed. Example: <MATERIAL_NUMBER party="SE">ART-12345</MATERIAL_NUMBER> <MATERIAL_NUMBER party="BY">BUYER-REF-999</MATERIAL_NUMBER> <MATERIAL_NUMBER party="EAN">4012345678901</MATERIAL_NUMBER>
	<i>— party</i>	Type	MaterialNumberPartyEnum
		Use	optional
	CLASSIFICATION	Occurrence	0 .. 1
		Type	ClassificationType
		Description	BT-158: Item classification identifier (OPTIONAL) Classification code for the item. Common schemes: UNSPSC, CPV, eCI@ss Example: <CLASSIFICATION scheme="UNSPSC">43211508</CLASSIFICATION>
	<i>— scheme</i>	Type	xs:string
		Use	optional

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Element/Attribute		Annotation	
COUNTRY_OF_ORIGIN		Occurrence	0 .. 1
		Type	CountryCodeType
		Pattern	[A-Z]{2}
		Description	BT-159: Item country of origin (OPTIONAL) Country where the item was produced or manufactured. ISO 3166-1 alpha-2 code. Example: <COUNTRY_OF_ORIGIN>DE</COUNTRY_OF_ORIGIN>
ATTRIBUTES		Occurrence	0 .. 1
		Type	AttributesType
		Description	BG-32: Item attributes (OPTIONAL) Additional attributes of the item (color, size, etc.). Contains multiple ATTRIBUTE elements. Example: <ATTRIBUTES> <ATTRIBUTE name="Color" value="Black"/> <ATTRIBUTE name="Size" value="XL"/> </ATTRIBUTES>
xs:sequence		Occurrence	1 .. 1
ATTRIBUTE		Occurrence	1 .. unbounded
		Type	AttributeType
	name	Type	xs:string
		Use	required
	value	Type	xs:string
		Use	required
QUANTITY		Occurrence	1 .. 1
		Type	QuantityType
		Description	BT-129: Invoiced quantity (MANDATORY) Quantity of items invoiced. Must include unit attribute (UNECE Rec. 20). Example: <QUANTITY unit="C62">100</QUANTITY>
	unit	Type	UnitCodeType
		Use	required
DELIVERED_QUANTITY		Occurrence	0 .. 1
		Type	QuantityType
		Description	Delivered quantity (OPTIONAL - not in EN16931 core) Actual quantity delivered (may differ from invoiced quantity). Example: <DELIVERED_QUANTITY unit="C62">98</DELIVERED_QUANTITY>
	unit	Type	UnitCodeType
		Use	required
PRICE		Occurrence	1 .. 1
		Type	MoneyType
		Description	BT-146: Item net price (MANDATORY) Net price of the item (excluding VAT, after item price discount).

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Element/Attribute		Annotation	
PRICE_BASIS		Occurrence	0 .. 1 Example: <PRICE>10.00</PRICE>
		Type	QuantityType
	<i>unit</i>	Description	BT-149: Item price base quantity (OPTIONAL) BT-150: Item price base quantity unit code (OPTIONAL) Base quantity for the price (when price is not per 1 unit). Example: <PRICE_BASIS unit="C62">100</PRICE_BASIS> (price per 100 units)
		Type	UnitCodeType
PRICE_DISCOUNT		Use	required
		Occurrence	0 .. 1
		Type	MoneyType
		Description	BT-147: Item price discount (OPTIONAL) Discount per item that has been applied to the gross price. Example: <PRICE_DISCOUNT>2.00</PRICE_DISCOUNT>
LINE_GROSS		Occurrence	0 .. 1
		Type	MoneyType
		Description	BT-148: Item gross price (OPTIONAL) Gross price of the item before item price discount. Example: <LINE_GROSS>12.00</LINE_GROSS>
		Occurrence	0 .. 1
POS_ALC		Type	PosALCType
		Description	BG-27: Line level allowances (OPTIONAL) BG-28: Line level charges (OPTIONAL) Allowances and charges for this invoice line. Contains multiple ALC elements.
	<i>xs:sequence</i>	Occurrence	1 .. 1
		Occurrence	1 .. unbounded
ALC		Type	ALCType
		Description	Allowances and Charges (Reductions and Additional Costs) EN16931 Mapping: Document level: • ALLOWANCE: BG-20 (Document level allowances) • CHARGE: BG-21 (Document level charges) Line level: • ALLOWANCE: BG-27 (Line level allowances) • CHARGE: BG-28 (Line level charges) Type Values: • ALLOWANCE - Reductions (discount, rebate, price reduction) • CHARGE - Additional costs (freight, packaging,

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute		Annotation	
		<p>fuel surcharge)</p> <p>Reason Codes:</p> <ul style="list-style-type: none"> • DISCOUNT - General discount or rebate • FREIGHT - Shipping/transportation costs • FUEL_SURCHARGE - Fuel price surcharge • PACKAGING - Packaging materials/costs <p>Elements:</p> <ul style="list-style-type: none"> • AMOUNT (mandatory) - Net allowance/charge amount • BASE_AMOUNT (optional) - Base amount for percentage calculation • PERCENTAGE (optional) - Discount/charge percentage • TEXT (optional) - Free text description • TAX (optional) - Tax information for this ALC <p>Example - Document level discount (5% early payment):</p> <pre><ALC type="ALLOWANCE" reason="DISCOUNT"> <AMOUNT>50.00</AMOUNT> <BASE_AMOUNT>1000.00</BASE_AMOUNT> <PERCENTAGE>5.0</PERCENTAGE> <TEXT>Early payment discount (14 days)</TEXT> </ALC></pre> <p>Example - Line level charge (packaging):</p> <pre><ALC type="CHARGE" reason="PACKAGING"> <AMOUNT>5.00</AMOUNT> <TEXT>Special protective packaging</TEXT> </ALC></pre> <p>Example - Document level freight charge:</p> <pre><ALC type="CHARGE" reason="FREIGHT"> <AMOUNT>25.00</AMOUNT> <TEXT>Standard shipping</TEXT> <TAX rate="19" category="S">4.75</TAX> </ALC></pre>	
	<i>type</i>	Type	ALCTypeEnum
		Use	required
	<i>reason</i>	Type	ALCReasonEnum
		Use	required
	<i>xs:sequence</i>	Occurrence	1 .. 1
	AMOUNT	Occurrence	1 .. 1
		Type	MoneyType
	BASE_AMOUNT	Occurrence	0 .. 1
		Type	MoneyType
	PERCENTAGE	Occurrence	0 .. 1
		Type	PercentageType
		FractionDigits	2
	TEXT	Occurrence	0 .. 1
		Type	xs:string

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute		Annotation	
	TAX	Occurrence	0 .. 1
		Type	TaxType
	<i>rate</i>	Type	xs:decimal
	<i>category</i>	Use	required
		Type	TaxCategoryCodeType
		Use	required
	LINE_AMOUNT	Occurrence	1 .. 1
		Type	MoneyType
		Description	BT-131: Invoice line net amount (MANDATORY) Net amount for this line (excluding VAT). Calculated as: (quantity × price) - allowances + charges Example: <LINE_AMOUNT>1000.00</LINE_AMOUNT>
	TAX	Occurrence	1 .. 1
		Type	TaxType
		Description	BT-151: Invoiced item VAT category code (MANDATORY) BT-152: Invoiced item VAT rate (MANDATORY) VAT information for this line item. Example: <TAX rate="19" category="S">190.00</TAX>
	<i>rate</i>	Type	xs:decimal
		Use	required
	<i>category</i>	Type	TaxCategoryCodeType
		Use	required
	LINE_PERIOD	Occurrence	0 .. 1
		Type	PeriodType
		Description	BG-26: Invoice line period (OPTIONAL) BT-134: Invoice line period start date BT-135: Invoice line period end date Period to which this invoice line relates. Example: <LINE_PERIOD> <START_DATE>2026-01-01</START_DATE> <END_DATE>2026-01-31</END_DATE> </LINE_PERIOD>
	xs:sequence	Occurrence	1 .. 1
	START_DATE	Occurrence	1 .. 1
		Type	DateType
		Pattern	\d{4}-\d{2}-\d{2}
		Description	Date in ISO 8601 format. Pattern: YYYY-MM-DD Base Type: xs:date with pattern restriction Valid Examples: • 2025-11-26 • 2025-01-01

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute		Annotation
		<ul style="list-style-type: none"> • 2026-12-31
		Invalid Examples: X 26.11.2025 (German format) X 11/26/2025 (US format) X 2025-9-5 (leading zeros required) X 26-11-2025 (wrong order)
		Usage: INVOICE_DATE, DUE_DATE, DELIVERY_DATE, TAX_POINT_DATE, etc. EN16931: BT-2, BT-9, BT-72, BT-7, and others
	END_DATE	Occurrence 1 .. 1 Type DateType Pattern \d{4}-\d{2}-\d{2} Description Date in ISO 8601 format. Pattern: YYYY-MM-DD Base Type: xs:date with pattern restriction Valid Examples: <ul style="list-style-type: none"> • 2025-11-26 • 2025-01-01 • 2026-12-31 Invalid Examples: <ul style="list-style-type: none"> X 26.11.2025 (German format) X 11/26/2025 (US format) X 2025-9-5 (leading zeros required) X 26-11-2025 (wrong order) Usage: INVOICE_DATE, DUE_DATE, DELIVERY_DATE, TAX_POINT_DATE, etc. EN16931: BT-2, BT-9, BT-72, BT-7, and others
	POS_REFERENCE	Occurrence 0 .. 1 Type PosReferenceType
	<i>xs:sequence</i>	Occurrence 1 .. 1
	ORDER_NUMBER	Occurrence 0 .. 1 Type OrderLineReferenceType
	<i>line</i>	Type xs:string Use optional
	ORDER_DATE	Occurrence 0 .. 1 Type DateType Pattern \d{4}-\d{2}-\d{2} Description Date in ISO 8601 format. Pattern: YYYY-MM-DD Base Type: xs:date with pattern restriction Valid Examples: <ul style="list-style-type: none"> • 2025-11-26 • 2025-01-01 • 2026-12-31 Invalid Examples: <ul style="list-style-type: none"> X 26.11.2025 (German format)

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute	Annotation
	<p>X 11/26/2025 (US format) X 2025-9-5 (leading zeros required) X 26-11-2025 (wrong order)</p> <p>Usage: INVOICE_DATE, DUE_DATE, DELIVERY_DATE, TAX_POINT_DATE, etc. EN16931: BT-2, BT-9, BT-72, BT-7, and others</p>
DELIVERY_NOTE_NUMBER	<p>Occurrence 0 .. 1 Type OrderLineReferenceType</p>
<i>line</i>	<p>Type xs:string Use optional</p>
DELIVERY_DATE	<p>Occurrence 0 .. 1 Type DeliveryDateTimeType</p>
<i>time</i>	<p>Type xs:string Use optional</p>
ATTACHMENT_REFERENCE	<p>Occurrence 0 .. 1 Type xs:string</p>
POS_TEXT	<p>Occurrence 0 .. unbounded Type PosTextType</p>
<i>type</i>	<p>Type xs:string Use required</p>
SUMMARY	<p>Occurrence 1 .. 1 Type SummaryType Description Document totals and tax summary.</p> <p>EN16931: BG-22 (Document totals) Contains all totals and the VAT breakdown for the entire invoice. All amounts must be in the invoice currency (BT-5).</p>
<i>xs:sequence</i>	<p>Occurrence 1 .. 1</p>
TOTAL_NET	<p>Occurrence 1 .. 1 Type MoneyType Description BT-106: Sum of invoice line net amount (MANDATORY) Sum of all invoice line net amounts (LINE_AMOUNT) in the invoice.</p> <p>Example: <TOTAL_NET>1000.00</TOTAL_NET></p>
TOTAL_ALLOWANCE	<p>Occurrence 0 .. 1 Type MoneyType Description BT-107: Sum of allowances on document level (OPTIONAL) Sum of all document-level allowances (discounts).</p> <p>Example: <TOTAL_ALLOWANCE>50.00</TOTAL_ALLOWANCE></p>
TOTAL_CHARGE	<p>Occurrence 0 .. 1 Type MoneyType Description BT-108: Sum of charges on document level (OPTIONAL) Sum of all document-level charges (additional costs).</p> <p>Example: <TOTAL_CHARGE>25.00</TOTAL_CHARGE></p>

Bold = Element, *Italic* = Attribute, Grey = Group

Element/Attribute	Annotation
TOTAL_NET_AFTER_ALC	<p>Occurrence 1 .. 1</p> <p>Type MoneyType</p> <p>Description BT-109: Invoice total amount without VAT (MANDATORY) Total net amount after document-level allowances and charges. Calculation: TOTAL_NET - TOTAL_ALLOWANCE + TOTAL_CHARGE</p> <p>Example: <TOTAL_NET_AFTER_ALC>975.00</</p>
TAX_SUMMARY	<p>Occurrence 1 .. 1</p> <p>Type TaxSummaryType</p> <p>Description BG-23: VAT breakdown (MANDATORY) Contains one or more TAX_BREAKDOWN elements. One breakdown per VAT category/rate combination.</p> <p>Example: <TAX_SUMMARY> <TAX_BREAKDOWN category="S" rate="19"> <TAXABLE_AMOUNT>975.00</ TAXABLE_AMOUNT> <TAX_AMOUNT>185.25</TAX_AMOUNT> </TAX_BREAKDOWN> </TAX_SUMMARY></p>
xs:sequence	Occurrence 1 .. 1
TAX_BREAKDOWN	<p>Occurrence 1 .. unbounded</p> <p>Type TaxBreakdownType</p> <p>Description VAT breakdown for one VAT category/rate combination.</p> <p>Contains taxable amount, tax amount, VAT category, and rate. One breakdown element per unique category/rate combination in the invoice.</p> <p>Example: <TAX_BREAKDOWN category="S" rate="19"> <TAXABLE_AMOUNT>1000.00</ TAXABLE_AMOUNT> <TAX_AMOUNT>190.00</TAX_AMOUNT> </TAX_BREAKDOWN></p>
<i>category</i>	<p>Type TaxCategoryCodeType</p> <p>Use required</p> <p>Description BT-118: VAT category code (MANDATORY) UN/CEFACT UNTDID 5305 code.</p> <p>Common values: S - Standard rate Z - Zero rated E - Exempt AE - Reverse charge</p> <p>Example: category="S"</p>

Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute		Annotation	
<div> <div>rate</div> <div>reasonCode</div> <div>xs:sequence</div> <div>REASON_TEXT</div> <div>TAXABLE_AMOUNT</div> <div>TAX_AMOUNT</div> <div>TOTAL_TAX</div> </div>		Type	xs:decimal
		Use	required
		Description	BT-119: VAT category rate (MANDATORY) VAT rate as percentage (0-100). Common rates: 19, 7 (Germany) 20, 5 (UK) 21, 9 (Netherlands) Example: rate="19"
		Type	xs:string
		Use	optional
		Description	BT-121: VAT exemption reason code (CONDITIONAL) Code for VAT exemption reason. VATEX code list (EU). Required for certain VAT categories. Example: reasonCode="VATEX-EU-132"
		Occurrence	1 .. 1
		Occurrence	0 .. 1
		Type	xs:string
		Description	BT-120: VAT exemption reason text (CONDITIONAL) Textual explanation for VAT exemption. Required for certain VAT categories (E, O, etc.). Example: Export outside EU - Article 146 EU VAT Directive
		Occurrence	1 .. 1
		Type	MoneyType
		Description	BT-116: VAT category taxable amount (MANDATORY) Sum of all invoice line net amounts for this VAT category/rate. Example: <TAXABLE_AMOUNT>1000.00</TAXABLE_AMOUNT>
		Occurrence	1 .. 1
		Type	MoneyType
		Description	BT-117: VAT category tax amount (MANDATORY) Total VAT amount for this category/rate. Calculation: TAXABLE_AMOUNT × (rate / 100) Example: <TAX_AMOUNT>190.00</TAX_AMOUNT>
		Occurrence	1 .. 1
		Type	MoneyType
		Description	BT-110: Invoice total VAT amount (MANDATORY) Total VAT amount for the invoice in invoice currency. Sum of all TAX_AMOUNT values from TAX_BREAKDOWN. Example: <TOTAL_TAX>185.25</TOTAL_TAX>
		Occurrence	1 .. 1
		Type	MoneyType
		Description	
		Occurrence	
		Type	

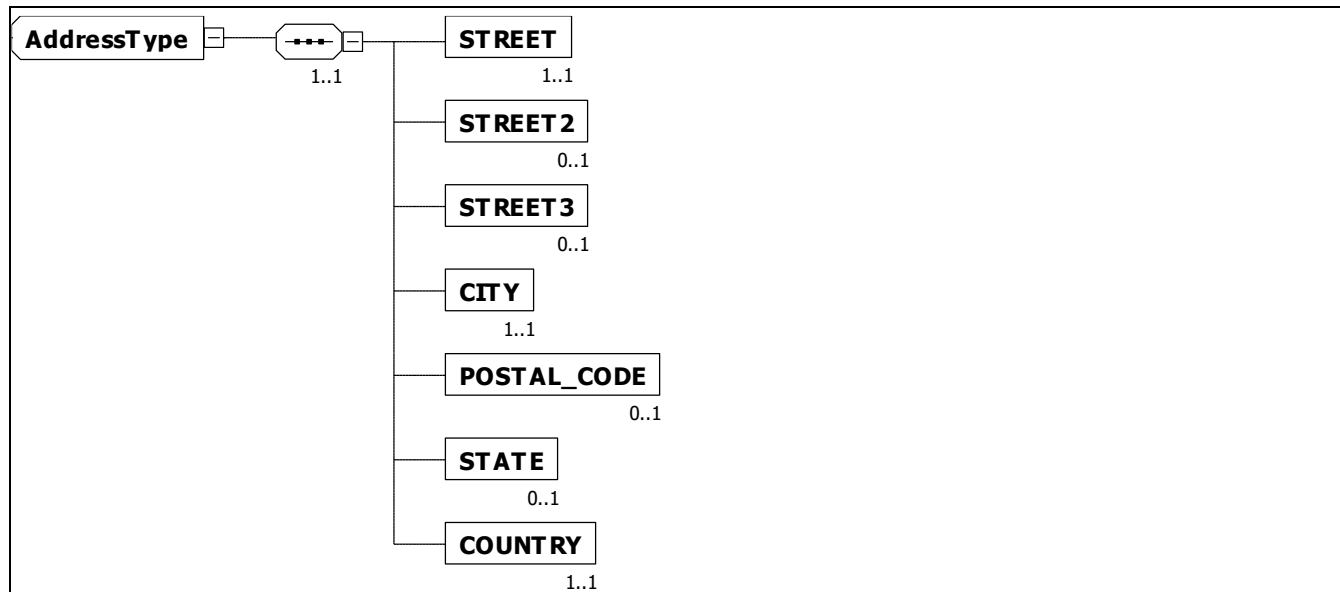
Bold = Element, Italic = Attribute, Grey = Group

Element/Attribute	Annotation
TOTAL_TAX_ACCOUNTING_CURRENCY	<p>Occurrence 0 .. 1</p> <p>Type MoneyType</p> <p>Description BT-111: Invoice total VAT amount in accounting currency (CONDITIONAL) Total VAT amount in the accounting currency (VAT_CURRENCY). Required only if VAT accounting currency differs from invoice currency.</p> <p>Example: <TOTAL_TAX_ACCOUNTING_CURRENCY>185.25</TOTAL_TAX_ACCOUNTING_CURRENCY></p>
TOTAL_GROSS	<p>Occurrence 1 .. 1</p> <p>Type MoneyType</p> <p>Description BT-112: Invoice total amount with VAT (MANDATORY) Total invoice amount including VAT. Calculation: TOTAL_NET_AFTER_ALC + TOTAL_TAX</p> <p>Example: <TOTAL_GROSS>1160.25</TOTAL_GROSS></p>
PREPAID_AMOUNT	<p>Occurrence 0 .. 1</p> <p>Type MoneyType</p> <p>Description BT-113: Paid amount (OPTIONAL) Sum of amounts already paid (advance payments, deposits).</p> <p>Example: <PREPAID_AMOUNT>200.00</PREPAID_AMOUNT></p>
ROUNDING_AMOUNT	<p>Occurrence 0 .. 1</p> <p>Type MoneyType</p> <p>Description BT-114: Rounding amount (OPTIONAL) Amount added or subtracted to round the payable amount. Positive = added, Negative = subtracted</p> <p>Example: <ROUNDING_AMOUNT>-0.25</ROUNDING_AMOUNT></p>
AMOUNT_DUE	<p>Occurrence 1 .. 1</p> <p>Type MoneyType</p> <p>Description BT-115: Amount due for payment (MANDATORY) Outstanding amount to be paid. Calculation: TOTAL_GROSS - PREPAID_AMOUNT + ROUNDING_AMOUNT</p> <p>Example: <AMOUNT_DUE>960.00</AMOUNT_DUE></p>

Bold = Element, Italic = Attribute, Grey = Group

Components

RIF_INVOIC		Element
<div><div><div>RIF_INVOIC</div><div>version</div><div>timestamp</div></div><div>1..1</div><div><div>DOCUMENT</div><div>type</div><div>code</div><div>timestamp</div></div><div>1..1</div></div>		
Attributes		
version	Usage Type	M xs:string
timestamp	Usage Type Description	M TimestampType Timestamp in ISO 8601 format WITHOUT timezone. Pattern: YYYY-MM-DDTHH:MM:SS Base Type: xs:dateTime with pattern restriction Valid Examples: <ul style="list-style-type: none">• 2025-11-26T15:00:00• 2025-01-01T00:00:00• 2026-12-31T23:59:59 Invalid Examples: <ul style="list-style-type: none">X 2025-11-26T15:00:00Z (timezone suffix not allowed)X 2025-11-26 15:00:00 (space instead of T separator)X 2025-9-5T15:0:0 (leading zeros required)X 26.11.2025T15:00:00 (wrong date format) Usage: RIF_INVOIC/@timestamp, DOCUMENT/@timestamp
AddressType		ComplexType



Description

Postal address information.

EN16931 Mapping (depends on Party role):

- Seller address: BG-5 (BT-35 to BT-40)
- Buyer address: BG-8 (BT-50 to BT-55)
- Payee address: Not in EN16931 core
- Tax Representative address: BG-12 (BT-63 to BT-68)
- Delivery address: BG-15 (BT-75 to BT-80)

Structure:

STREET (mandatory) - Main address line
STREET2 (optional) - Additional address line 2
STREET3 (optional) - Additional address line 3
CITY (mandatory) - City name
POSTAL_CODE (optional) - ZIP/Postal code
STATE (optional) - State/Province/Region
COUNTRY (mandatory) - ISO 3166-1 alpha-2 country code

Examples:

```
<ADDRESS>
  <STREET>Hauptstraße 123</STREET>
  <STREET2>Gebäude A</STREET2>
  <CITY>Berlin</CITY>
  <POSTAL_CODE>10115</POSTAL_CODE>
  <COUNTRY>DE</COUNTRY>
</ADDRESS>
```

International example:

```
<ADDRESS>
<STREET>123 Main Street</STREET>
<STREET2>Suite 100</STREET2>
<CITY>New York</CITY>
<POSTAL_CODE>10001</POSTAL_CODE>
<STATE>NY</STATE>
```


<COUNTRY>US</COUNTRY> </ADDRESS>	
ALCReasonEnum	SimpleType
Type	xs:string
Codes	Name/Description
DISCOUNT	
FREIGHT	
FUEL_SURCHARGE	
PACKAGING	
ALCType	ComplexType
<pre> graph LR ALCType[ALCType type reason] -- 1..1 --- Container[] Container -- 1..1 --- AMOUNT[AMOUNT 1..1] Container -- 0..1 --- Group[] Group -- 0..1 --- BASE_AMOUNT[BASE_AMOUNT 0..1] Group -- 0..1 --- PERCENTAGE[PERCENTAGE 0..1] Group -- 0..1 --- TEXT[TEXT 0..1] Group -- 0..1 --- TAX[TAX rate category 0..1] </pre>	
Description	<p>Allowances and Charges (Reductions and Additional Costs)</p> <p>EN16931 Mapping:</p> <p>Document level:</p> <ul style="list-style-type: none"> • ALLOWANCE: BG-20 (Document level allowances) • CHARGE: BG-21 (Document level charges) <p>Line level:</p> <ul style="list-style-type: none"> • ALLOWANCE: BG-27 (Line level allowances) • CHARGE: BG-28 (Line level charges) <p>Type Values:</p> <ul style="list-style-type: none"> • ALLOWANCE - Reductions (discount, rebate, price reduction) • CHARGE - Additional costs (freight, packaging, fuel surcharge) <p>Reason Codes:</p> <ul style="list-style-type: none"> • DISCOUNT - General discount or rebate • FREIGHT - Shipping/transportation costs • FUEL_SURCHARGE - Fuel price surcharge • PACKAGING - Packaging materials/costs <p>Elements:</p> <ul style="list-style-type: none"> • AMOUNT (mandatory) - Net allowance/charge amount • BASE_AMOUNT (optional) - Base amount for percentage calculation • PERCENTAGE (optional) - Discount/charge percentage • TEXT (optional) - Free text description

- TAX (optional) - Tax information for this ALC

Example - Document level discount (5% early payment):

```
<ALC type="ALLOWANCE" reason="DISCOUNT">
  <AMOUNT>50.00</AMOUNT>
  <BASE_AMOUNT>1000.00</BASE_AMOUNT>
  <PERCENTAGE>5.0</PERCENTAGE>
  <TEXT>Early payment discount (14 days)</TEXT>
</ALC>
```

Example - Line level charge (packaging):

```
<ALC type="CHARGE" reason="PACKAGING">
  <AMOUNT>5.00</AMOUNT>
  <TEXT>Special protective packaging</TEXT>
</ALC>
```

Example - Document level freight charge:

```
<ALC type="CHARGE" reason="FREIGHT">
  <AMOUNT>25.00</AMOUNT>
  <TEXT>Standard shipping</TEXT>
  <TAX rate="19" category="S">4.75</TAX>
</ALC>
```

Attributes		
type	Usage	M
	Type	ALCTypeEnum
reason	Usage	M
	Type	ALCReasonEnum

ALCTypeEnum		SimpleType
Type	xs:string	
Codes		Name/Description
ALLOWANCE		
CHARGE		

AttachmentReferenceType

ComplexType

Description

Reference to a single attachment.

EN16931: BG-24 (Additional supporting documents)

Contains metadata about the attachment and the actual attachment data.

Structure:

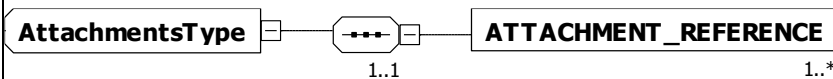
ATTACHMENT_ID (mandatory) - Unique identifier for this attachment
 ATTACHMENT_TYPE_CODE (optional) - Code classifying the attachment
 ATTACHMENT_TYPE (optional) - Description of attachment type
 ATTACHMENT (mandatory) - The actual attachment data (Base64 encoded)

Example:

```
<ATTACHMENT_REFERENCE>
  <ATTACHMENT_ID>DOC-001</ATTACHMENT_ID>
  <ATTACHMENT_TYPE_CODE>130</ATTACHMENT_TYPE_CODE>
  <ATTACHMENT_TYPE>Invoice PDF</ATTACHMENT_TYPE>
  <ATTACHMENT filename="invoice.pdf" mimetype="application/pdf">
    JVBERi0xLjQKJeLjz9MKMSAwIG9iago...
  </ATTACHMENT>
</ATTACHMENT_REFERENCE>
```

AttachmentsType

ComplexType



Description

Container for invoice attachments.

EN16931: BG-24 (Additional supporting documents)

Contains one or more ATTACHMENT_REFERENCE elements.
 Each reference can contain the actual attachment data (embedded) or reference to an external document.

Common use cases:

- PDF copy of invoice for visual representation
- Delivery notes, packing lists
- Technical drawings, specifications
- Certificates, test reports
- Photos of delivered goods
- Time sheets (for service invoices)

Example:

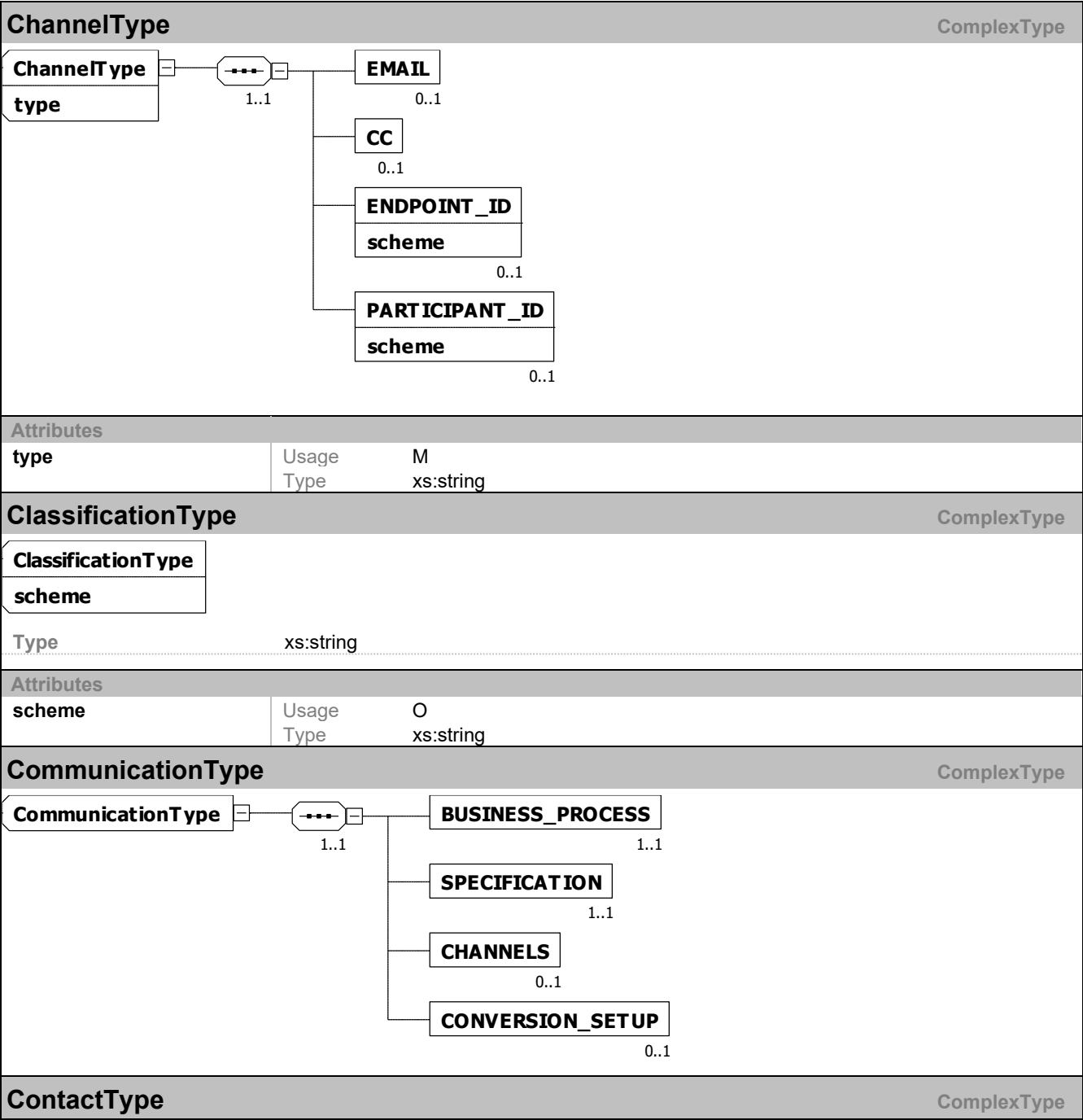
```
<ATTACHMENTS>
  <ATTACHMENT_REFERENCE>
    <ATTACHMENT_ID>DOC-001</ATTACHMENT_ID>
    <ATTACHMENT_TYPE>Invoice PDF</ATTACHMENT_TYPE>
    <ATTACHMENT filename="invoice.pdf" mimetype="application/pdf">
      JVBERi0xLjQKJeLjz9MK...
    </ATTACHMENT>
  </ATTACHMENT_REFERENCE>
</ATTACHMENTS>
```

AttachmentType

ComplexType

AttachmentType	
filename	mimetype
Type	xs:string
Description	Attachment content container.
	<p>Contains Base64-encoded binary data of the attachment.</p> <p>Attributes:</p> <ul style="list-style-type: none"> @filename (optional) - Original filename with extension @mimetype (optional) - IANA Media Type (MIME type) <p>Content: Base64-encoded binary data</p> <p>Supported formats (via mimetype):</p> <ul style="list-style-type: none"> Documents: PDF, Word, Excel, PowerPoint, OpenDocument Images: JPEG, PNG, GIF, TIFF Archives: ZIP, 7-Zip, TAR, GZIP Text: Plain text, CSV, XML, JSON E-Invoicing: ASiC-E containers (PEPPOL) <p>Size recommendation: Keep attachments under 5MB for compatibility.</p> <p>Example:</p> <pre><ATTACHMENT filename="invoice.pdf" mimetype="application/pdf"> JVBERi0xLjQKJeLjz9MKMSAwIG9iago8PC9UeXBIL0NhdGFsb2cvUGFnZXMg MiAwIFI+PmVuZG9iagoylDAgb2JqCjw8L1R5cGUvUGFnZXMvS2lkc1szIDAq ... </ATTACHMENT></pre> <p>Note: The content should be Base64-encoded. To encode:</p> <ul style="list-style-type: none"> Linux/Mac: <code>base64 file.pdf</code> PowerShell: <code>[Convert]::ToBase64String([IO.File]::ReadAllBytes("file.pdf"))</code>
Attributes	
filename	<p>Usage O</p> <p>Type xs:string</p> <p>Description Filename of the attachment including extension.</p> <p>Examples:</p> <ul style="list-style-type: none"> • invoice.pdf • delivery-note.pdf • specifications.docx • photo.jpg • timesheet.xlsx
mimetype	<p>Usage O</p> <p>Type MimeTypeEnum</p> <p>Description IANA Media Type (MIME type) of the attachment.</p> <p>Common types:</p> <ul style="list-style-type: none"> • application/pdf - PDF documents • application/xml - XML files • image/jpeg - JPEG images

Attributes		
		<ul style="list-style-type: none">image/png - PNG imagesapplication/vnd.openxmlformats-officedocument.wordprocessingml.document - Word .docxapplication/vnd.openxmlformats-officedocument.spreadsheetml.sheet - Excel .xlsx <p>See MimeTypeEnum for complete list of supported types.</p>
AttributesType		ComplexType
<div><div>AttributesType</div><div>1..1</div><div><div>ATTRIBUTE</div><div>name</div><div>value</div></div><div>1..*</div></div>		
AttributeType		ComplexType
<div><div>AttributeType</div><div>name</div><div>value</div></div>		
Attributes		
name	Usage	M
	Type	xs:string
value	Usage	M
	Type	xs:string
CardAccountType		ComplexType
<div><div>CardAccountType</div><div>1..1</div><div><div>ACCOUNT_NUMBER_ID</div><div>1..1</div></div><div><div>HOLDER_NAME</div><div>0..1</div></div></div>		
Description		<p>Payment card information.</p> <p>EN16931: BG-18 (Payment card information) Contains masked card number and holder name.</p> <p>Example:</p> <pre><CARD_ACCOUNT> <ACCOUNT_NUMBER_ID>*****1234</ACCOUNT_NUMBER_ID> <HOLDER_NAME>Max Mustermann</HOLDER_NAME> </CARD_ACCOUNT></pre>
ChannelsType		ComplexType
<div><div>ChannelsType</div><div>1..1</div><div><div>CHANNEL</div><div>type</div></div><div>1..*</div></div>		



<div><div>ContactType</div><div><div>1..1</div><div><div>NAME</div><div>1..1</div><div>PHONE</div><div>0..1</div><div>EMAIL</div><div>0..1</div></div></div></div>	
<div><div>Description</div><div>Contact point information within a party. EN16931 Mapping (depends on Party role):<ul style="list-style-type: none">• Seller contact: BG-6 (BT-41, BT-42, BT-43)• Buyer contact: BG-9 (BT-56, BT-57, BT-58) Contains contact person name and communication details. All elements are optional but at least one should be provided for practical communication purposes. Example: <CONTACT> <NAME>Max Mustermann</NAME> <PHONE>+49 30 12345678</PHONE> <EMAIL>max.mustermann@company.de</EMAIL> </CONTACT></div></div>	
<div><div>ContractReferenceSchemeType</div><div>SimpleType</div><div><div>Type</div><div>xs:string</div></div></div>	
<div><div>Codes</div><div>Name/Description</div><div>buyer-assigned</div></div>	
<div><div>ContractReferenceType</div><div>ComplexType</div><div><div>ContractReferenceType</div><div>scheme</div><div><div>Type</div><div>xs:string</div></div></div></div>	
<div><div>Attributes</div><div><div>scheme</div><div>Usage</div><div>M</div><div>Type</div><div>ContractReferenceSchemeType</div></div></div>	
<div><div>CountryCodeType</div><div>SimpleType</div><div><div>Type</div><div>xs:string</div><div>Pattern</div><div>[A-Z]{2}</div></div></div>	
<div><div>CurrencyCodeType</div><div>SimpleType</div><div><div>Type</div><div>xs:string</div><div>Codes</div><div>Name/Description</div><div>AED</div><div>UAE Dirham</div><div>AFN</div><div>Afghan Afghani</div><div>ALL</div><div>Albanian Lek</div><div>AMD</div><div>Armenian Dram</div></div></div>	

Codes	Name/Description
ARS	Argentine Peso
ATS	Austrian Schilling (historical)
AUD	Australian Dollar
AZN	Azerbaijani Manat
BAM	Bosnia-Herzegovina Convertible Mark
BDT	Bangladeshi Taka
BEF	Belgian Franc (historical)
BGN	Bulgarian Lev
BHD	Bahraini Dinar
BND	Brunei Dollar
BOB	Bolivian Boliviano
BRL	Brazilian Real
BWP	Botswana Pula
BYN	Belarusian Ruble
CAD	Canadian Dollar
CHF	Swiss Franc
CLP	Chilean Peso
CNY	Chinese Yuan Renminbi
COP	Colombian Peso
CRC	Costa Rican Colon
CZK	Czech Koruna
DEM	German Mark (historical)
DKK	Danish Krone
DOP	Dominican Peso
DZD	Algerian Dinar
EGP	Egyptian Pound
ESP	Spanish Peseta (historical)
ETB	Ethiopian Birr
EUR	Euro
FIM	Finnish Markka (historical)
FRF	French Franc (historical)
GBP	Pound Sterling
GEL	Georgian Lari
GHS	Ghanaian Cedi
GRD	Greek Drachma (historical)
GTQ	Guatemalan Quetzal
HKD	Hong Kong Dollar
HNL	Honduran Lempira
HRK	Croatian Kuna
HUF	Hungarian Forint
IDR	Indonesian Rupiah
IEP	Irish Pound (historical)
ILS	Israeli New Shekel
INR	Indian Rupee
IQD	Iraqi Dinar
IRR	Iranian Rial
ISK	Icelandic Krona
ITL	Italian Lira (historical)
JMD	Jamaican Dollar

Codes	Name/Description
JOD	Jordanian Dinar
JPY	Japanese Yen
KES	Kenyan Shilling
KHR	Cambodian Riel
KRW	South Korean Won
KWD	Kuwaiti Dinar
KZT	Kazakhstani Tenge
LAK	Lao Kip
LBP	Lebanese Pound
LKR	Sri Lankan Rupee
LUF	Luxembourg Franc (historical)
LYD	Libyan Dinar
MAD	Moroccan Dirham
MDL	Moldovan Leu
MKD	Macedonian Denar
MMK	Myanmar Kyat
MNT	Mongolian Tugrik
MUR	Mauritian Rupee
MXN	Mexican Peso
MYR	Malaysian Ringgit
MZN	Mozambican Metical
NAD	Namibian Dollar
NGN	Nigerian Naira
NIO	Nicaraguan Cordoba
NLG	Dutch Guilder (historical)
NOK	Norwegian Krone
NPR	Nepalese Rupee
NZD	New Zealand Dollar
OMR	Omani Rial
PAB	Panamanian Balboa
PEN	Peruvian Sol
PHP	Philippine Peso
PKR	Pakistani Rupee
PLN	Polish Zloty
PTE	Portuguese Escudo (historical)
PYG	Paraguayan Guarani
QAR	Qatari Rial
RON	Romanian Leu
RSD	Serbian Dinar
RUB	Russian Ruble
SAR	Saudi Riyal
SEK	Swedish Krona
SGD	Singapore Dollar
SYP	Syrian Pound
THB	Thai Baht
TND	Tunisian Dinar
TRY	Turkish Lira
TWD	Taiwan Dollar
TZS	Tanzanian Shilling

Codes	Name/Description	
UAH	Ukrainian Hryvnia	
UGX	Ugandan Shilling	
USD	United States Dollar	
UYU	Uruguayan Peso	
UZS	Uzbekistani Som	
VES	Venezuelan Bolivar	
VND	Vietnamese Dong	
XAF	CFA Franc BEAC	
XCD	East Caribbean Dollar	
XOF	CFA Franc BCEAO	
XPF	CFP Franc	
YER	Yemeni Rial	
ZAR	South African Rand	
ZMW	Zambian Kwacha	
ZWL	Zimbabwean Dollar	

DateType		SimpleType
Type	xs:date	
Pattern	\d{4}-\d{2}-\d{2}	
Description	Date in ISO 8601 format. Pattern: YYYY-MM-DD Base Type: xs:date with pattern restriction Valid Examples: <ul style="list-style-type: none">• 2025-11-26• 2025-01-01• 2026-12-31 Invalid Examples: <ul style="list-style-type: none">X 26.11.2025 (German format)X 11/26/2025 (US format)X 2025-9-5 (leading zeros required)X 26-11-2025 (wrong order) Usage: INVOICE_DATE, DUE_DATE, DELIVERY_DATE, TAX_POINT_DATE, etc. EN16931: BT-2, BT-9, BT-72, BT-7, and others	

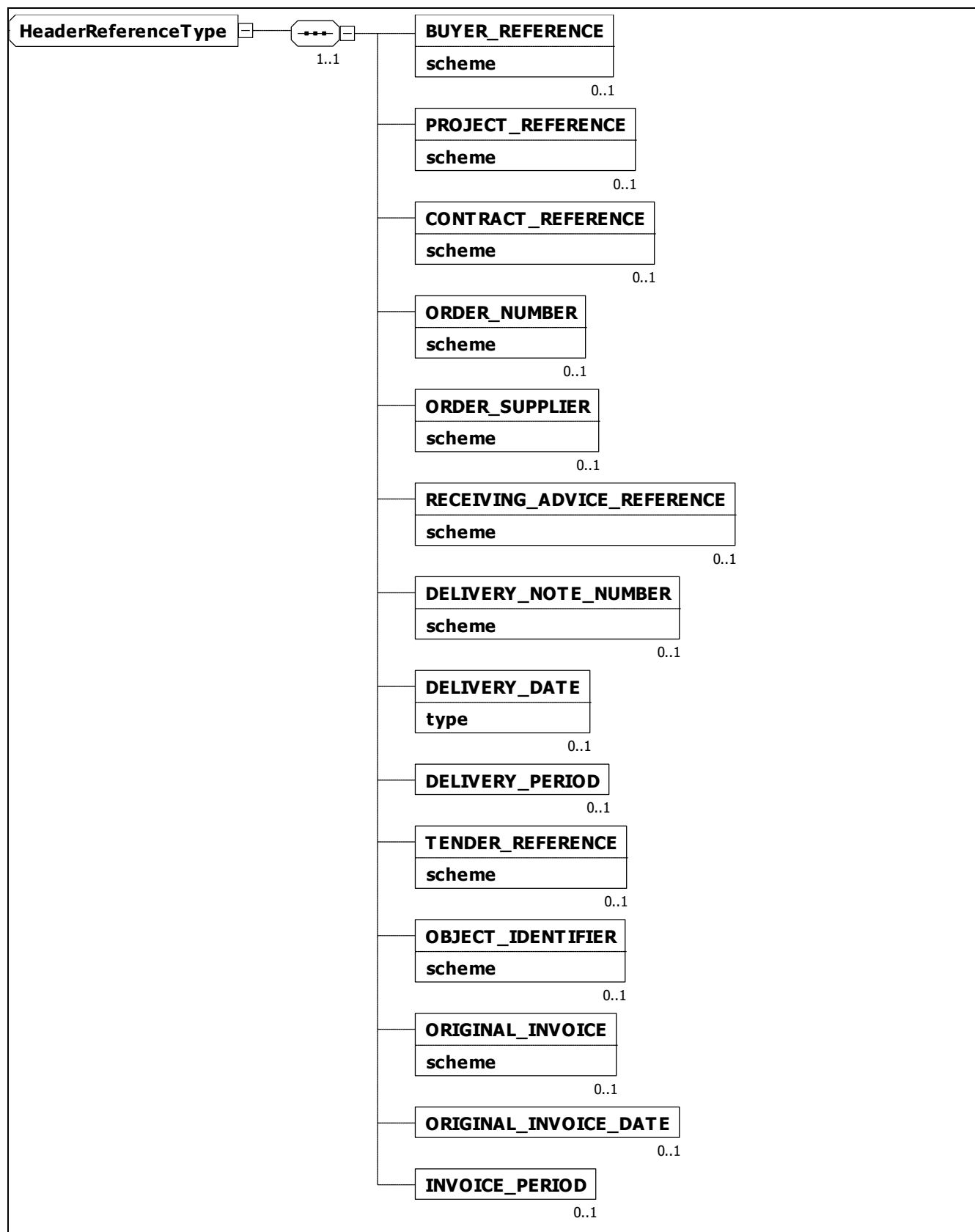
DeliveryDateTimeType		ComplexType
<div>DeliveryDateTimeType</div> <div>time</div>		
Type	xs:date	
Attributes		
time	Usage	O
	Type	xs:string

DeliveryDateType		ComplexType
------------------	--	-------------

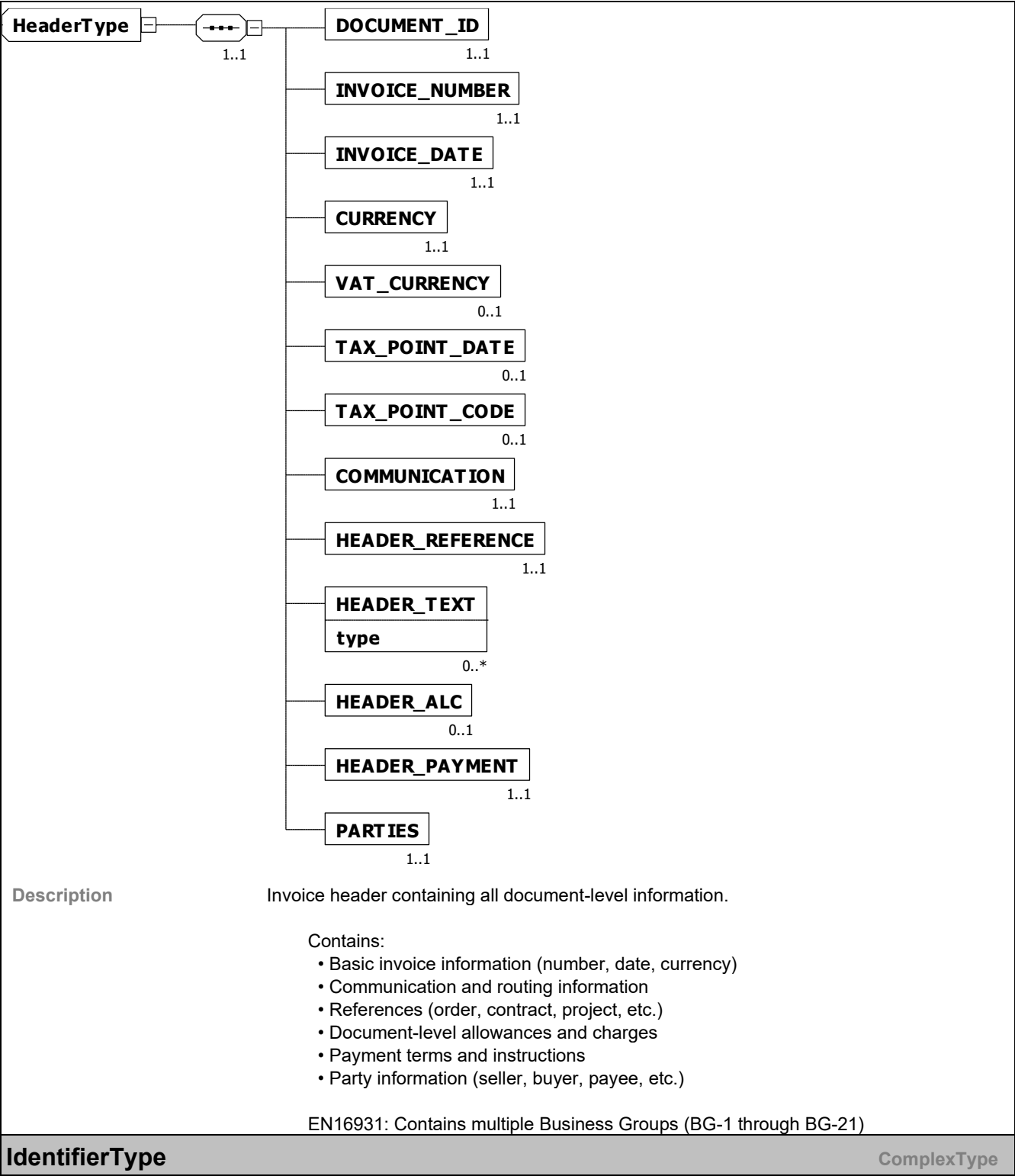
DeliveryDateType		
type		
Type	xs:date	
Attributes		
type	Usage	M
	Type	DeliveryDateTypeEnum
DeliveryDateTypeEnum		
		SimpleType
Type	xs:string	
Codes		
Name/Description		
actual		
DeliveryNoteNumberSchemeType		
		SimpleType
Type	xs:string	
Codes		
Name/Description		
seller-assigned		
DeliveryNoteNumberType		
		ComplexType
DeliveryNoteNumberType		
scheme		
Type	xs:string	
Attributes		
scheme	Usage	M
	Type	DeliveryNoteNumberSchemeType
DiscountType		
		ComplexType
Description		
Cash discount (Skonto) for early payment.		
Contains discount percentage/amount and the due date for discount.		
Example:		
<DISCOUNT>		
<PERCENTAGE>2.0</PERCENTAGE>		

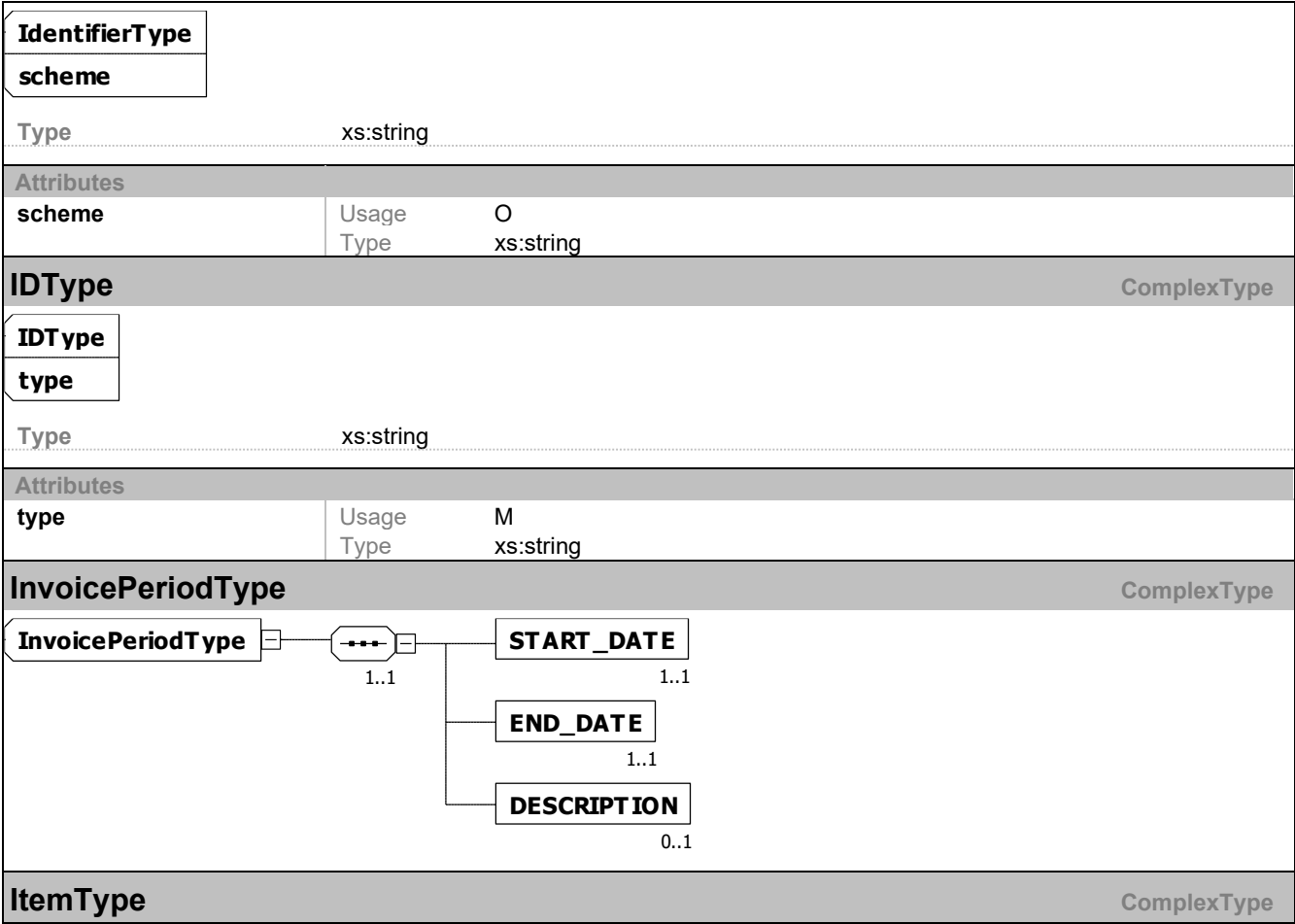
<div><BASE_AMOUNT>1000.00</BASE_AMOUNT> <AMOUNT>20.00</AMOUNT> <DUE_DATE>2026-02-14</DUE_DATE> <TERM_TEXT>2% Skonto bei Zahlung innerhalb 14 Tagen</TERM_TEXT> </DISCOUNT></div>		
DocumentCodeEnumSimpleType		
Type	xs:string	
Codes	Name/Description	
380		
381		
DocumentTypeComplexType		
<div><div>DocumentType<div>typecodetimestamp</div></div><div>1..1<div>1..1<div>HEADER1..1</div><div>0..1<div>ATTACHMENTS</div></div><div>1..1<div>POSITION</div></div><div>1..1<div>SUMMARY</div></div></div></div></div>		
Description	<div>Main document container for RIF_INVOIC format.</div> <div>Structure: HEADER (mandatory) - Invoice metadata, parties, payment terms ATTACHMENTS (optional) - Supporting documents (PDF, images, etc.) POSITION (mandatory) - Line items with products/services SUMMARY (mandatory) - Document totals and tax breakdown</div> <div>Attributes: @type - Document type (invoice or creditnote) @code - UN/CEFACT document type code (380=Invoice, 381=Credit Note) @timestamp - Document creation timestamp (ISO 8601)</div> <div>EN16931 Reference: Root level structure for electronic invoice</div> <div>Example: <DOCUMENT type="invoice" code="380" timestamp="2025-11-26T15:00:00"> <HEADER>...</HEADER> <POSITION>...</POSITION> <SUMMARY>...</SUMMARY> </DOCUMENT></div>	
Attributes		
type	Usage Type	M DocumentTypeEnum
code	Usage Type	M DocumentCodeEnum
timestamp	Usage Type	M TimestampType

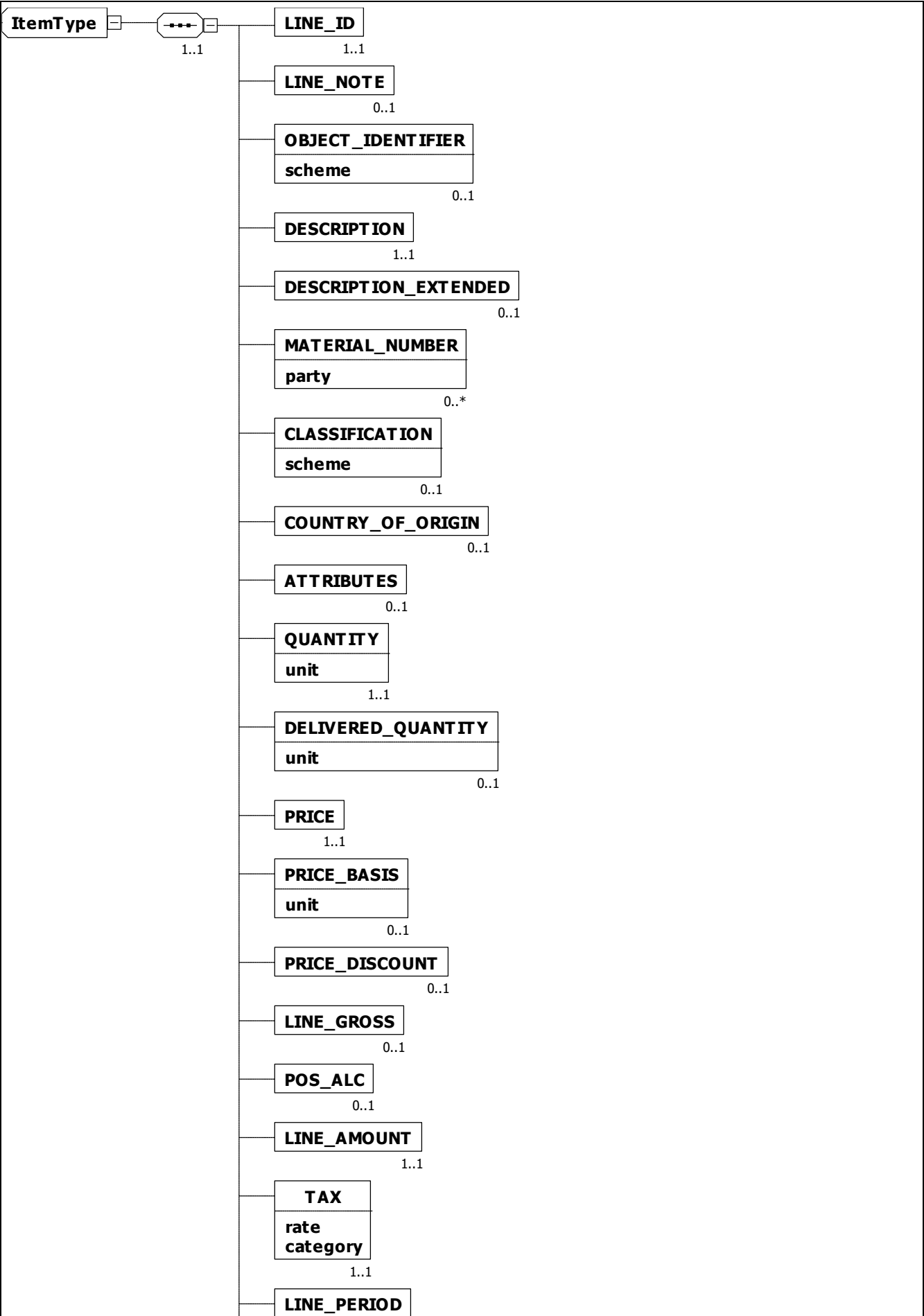
Attributes	
	<p>Description Timestamp in ISO 8601 format WITHOUT timezone.</p> <p>Pattern: YYYY-MM-DDTHH:MM:SS Base Type: xs:dateTime with pattern restriction</p> <p>Valid Examples:</p> <ul style="list-style-type: none"> • 2025-11-26T15:00:00 • 2025-01-01T00:00:00 • 2026-12-31T23:59:59 <p>Invalid Examples:</p> <ul style="list-style-type: none"> X 2025-11-26T15:00:00Z (timezone suffix not allowed) X 2025-11-26 15:00:00 (space instead of T separator) X 2025-9-5T15:0:0 (leading zeros required) X 26.11.2025T15:00:00 (wrong date format) <p>Usage: RIF_INVOIC/@timestamp, DOCUMENT/@timestamp</p>
DocumentTypeEnum	
Type	xs:string
Codes	Name/Description
creditnote	
invoice	
HeaderALCType	
HeaderPaymentType	
Description	<p>Payment information for the invoice.</p> <p>EN16931: Contains BG-16 (Payment instructions) and BG-17 (Credit transfer)</p> <p>Contains payment terms (due date, discounts) and payment instructions (bank account details, payment method, etc.).</p> <p>Structure:</p> <ul style="list-style-type: none"> PAYMENT_TERMS (mandatory) - When and how payment is due PAYMENT_INSTRUCTIONS (optional) - How to pay (bank account, etc.)
HeaderReferenceType	



Description		Document references and delivery information. Contains references to related business documents and delivery details. EN16931: Contains multiple Business Terms (BT-10 through BT-74)	
HeaderTextType		ComplexType	
HeaderTextType			
type			
Type		xs:string	
Attributes			
type		Usage	M
		Type	xs:string
HeaderType		ComplexType	



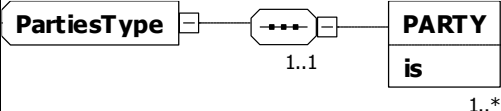


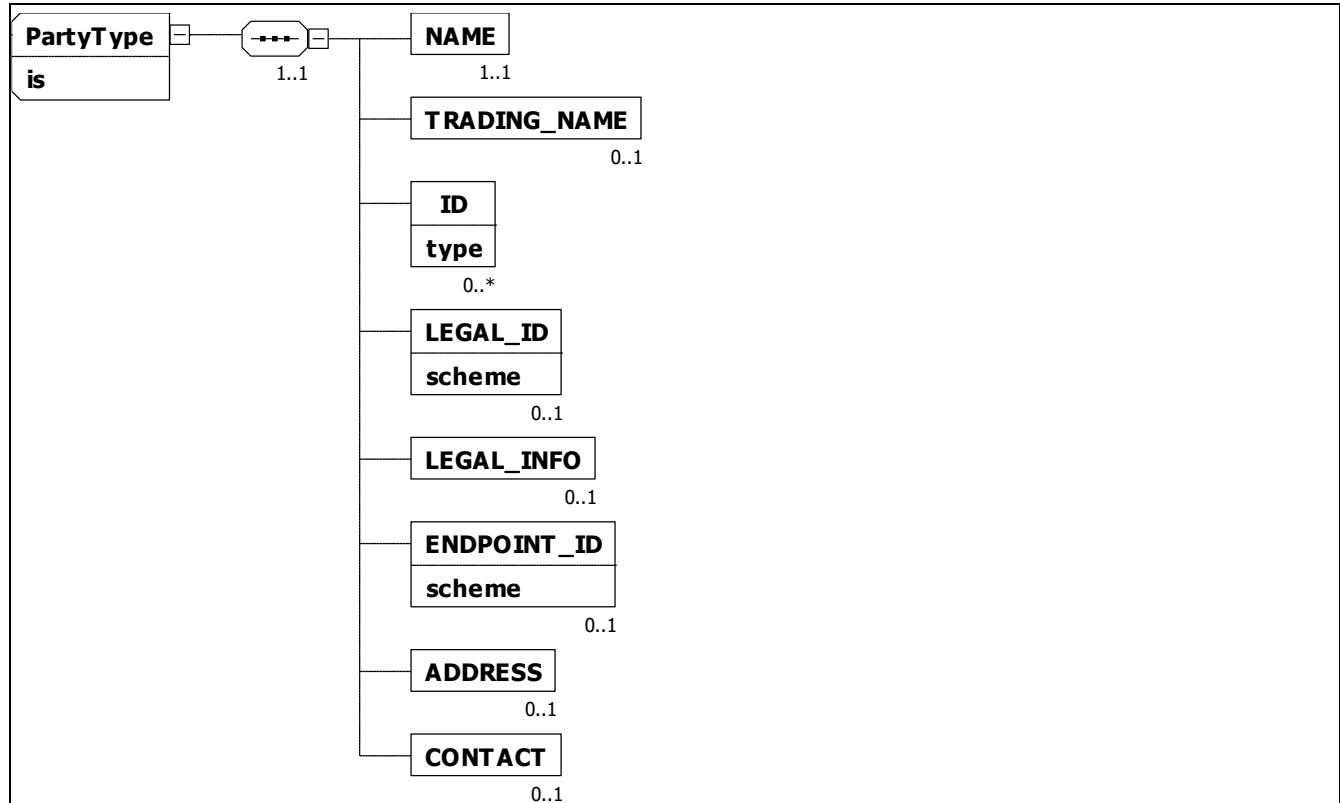


Description		Invoice line item (product or service).	
		EN16931: BG-25 (Invoice line) Contains all information about one invoiced item including description, quantity, price, allowances/charges, and tax.	
MaterialNumberPartyEnum		SimpleType	
Type		xs:string	
Codes		Name/Description	
BY			
EAN			
SE			
MaterialNumberType		ComplexType	
MaterialNumberType			
party			
Type		xs:string	
Attributes			
party		Usage	O
		Type	MaterialNumberPartyEnum
MimeTypeEnum		SimpleType	
Type		xs:string	
Codes		Name/Description	
application/gzip		GZIP Archive	
application/json		JSON Document	
application/ld+json		JSON-LD (Linked Data)	
application/msword		Microsoft Word (.doc)	
application/octet-stream		Binary Data	
application/pdf		PDF Document	
application/pkcs7-mime		PKCS#7 MIME	
application/pkcs7-signature		PKCS#7 Signature	
application/rtf		Rich Text Format	
application/vnd.etsi.asic-e+zip		ASiC-E Container (PEPPOL)	
application/vnd.etsi.asic-s+zip		ASiC-S Container	
application/vnd.fints		FinTS (Financial Transaction Services)	
application/vnd.ms-excel		Microsoft Excel (.xls)	
application/vnd.ms-fontobject		Embedded OpenType Font	
application/vnd.ms-powerpoint		Microsoft PowerPoint (.ppt)	
application/vnd.oasis.opendocument.presentation		OpenDocument Presentation (.odp)	
application/vnd.oasis.opendocument.spreadsheet		OpenDocument Spreadsheet (.ods)	

Codes	Name/Description
spreadsheet	
application/vnd.oasis.opendocument.text	OpenDocument Text (.odt)
application/vnd.openxmlformats-officedocument.presentationml.presentation	Microsoft PowerPoint (.pptx)
application/vnd.openxmlformats-officedocument.spreadsheetml.sheet	Microsoft Excel (.xlsx)
application/vnd.openxmlformats-officedocument.wordprocessingml.document	Microsoft Word (.docx)
application/x-7z-compressed	7-Zip Archive
application/x-rar-compressed	RAR Archive
application/x-shockwave-flash	Flash (.swf)
application/x-tar	TAR Archive
application/x-www-form-urlencoded	URL Encoded Form Data
application/xhtml+xml	XHTML Document
application/xml	XML Document
application/zip	ZIP Archive
audio/aac	AAC Audio
audio/flac	FLAC Audio
audio/mpeg	MP3 Audio
audio/ogg	OGG Audio
audio/wav	WAV Audio
audio/webm	WebM Audio
font/otf	OpenType Font
font/ttf	TrueType Font
font/woff	WOFF Font
font/woff2	WOFF2 Font
image/bmp	BMP Image
image/gif	GIF Image
image/jpeg	JPEG Image
image/png	PNG Image
image/svg+xml	SVG Vector Image
image/tiff	TIFF Image
image/webp	WebP Image
image/x-icon	Icon (.ico)
message/rfc822	Email Message (RFC 822)
multipart/form-data	Multipart Form Data
multipart/mixed	Multipart Mixed

Codes		Name/Description	
text/calendar		iCalendar (.ics)	
text/css		CSS Stylesheet	
text/csv		CSV (Comma-Separated Values)	
text/html		HTML Document	
text/javascript		JavaScript	
text/markdown		Markdown	
text/plain		Plain Text	
text/xml		XML Text	
video/mp4		MP4 Video	
video/mpeg		MPEG Video	
video/ogg		OGG Video	
video/quicktime		QuickTime Video (.mov)	
video/webm		WebM Video	
video/x-msvideo		AVI Video	
MoneyType			
Type		xs:decimal	
OrderLineReferenceType			
OrderLineReferenceType		ComplexType	
line			
Type		xs:string	
Attributes			
line	Usage	O	
	Type	xs:string	
OrderNumberSchemeType			
Type		xs:string	
Codes			
buyer-assigned			
OrderNumberType			
OrderNumberType		ComplexType	
scheme			
Type		xs:string	
Attributes			
scheme	Usage	M	
	Type	OrderNumberSchemeType	
OrderSupplierSchemeType			
Type		xs:string	
Codes			
seller-assigned			
OrderSupplierType			
ComplexType			

OrderSupplierType		
scheme		
Type	xs:string	
Attributes		
scheme	Usage	M
	Type	OrderSupplierSchemeType
OriginalInvoiceSchemeType		
Type	xs:string	
Codes		
seller-assigned	Name/Description	
OriginalInvoiceType		
ComplexType		
OriginalInvoiceType		
scheme		
Type	xs:string	
Attributes		
scheme	Usage	M
	Type	OriginalInvoiceSchemeType
PartiesType		
ComplexType		
		
PartyRoleEnum		
SimpleType		
Type	xs:string	
Codes		
BY	Buyer	
DP	Delivery Party	
PE	Payee	
SE	Seller	
TR	Tax Representative	
PartyType		
ComplexType		

**Description**

Party information for Seller, Buyer, Payee, Tax Representative, or Delivery Party.

EN16931 Mapping (BG - Business Group):

- Seller (is="SE"): BG-4 (MANDATORY)
- Buyer (is="BY"): BG-7 (MANDATORY)
- Payee (is="PE"): BG-10 (OPTIONAL - if different from seller)
- Tax Representative (is="TR"): BG-11 (OPTIONAL)
- Delivery Party (is="DP"): BG-13 (OPTIONAL - if different from seller)

Element Structure (strict order):

1. NAME (mandatory) - BT-27/BT-44/BT-59/BT-62/BT-70
2. TRADING_NAME (optional) - BT-28/BT-45
3. ID (multiple, optional) - Party identifiers with type attribute
Types: GLN, VAT, TAX, etc.
4. LEGAL_ID (optional) - BT-30/BT-47 - Legal registration ID
5. LEGAL_INFO (optional) - BT-33 - Additional legal information
6. ENDPOINT_ID (optional) - BT-34/BT-49 - Electronic address
7. ADDRESS (optional) - BG-5/BG-8/BG-12/BG-15
8. CONTACT (optional) - BG-6/BG-9

CRITICAL CONSTRAINT:

All <ID> elements MUST appear BEFORE <LEGAL_ID>!
Violating this order will cause validation failure.

Example - Seller:

```
<PARTY is="SE">
  <NAME>Seller Company GmbH</NAME>
```

```

<TRADING_NAME>Seller Brand</TRADING_NAME>
<ID type="GLN">4026227000001</ID>
<ID type="VAT">DE123456789</ID>
<LEGAL_ID scheme="0204">HRB 12345</LEGAL_ID>
<LEGAL_INFO>Amtsgericht Berlin HRB 12345</LEGAL_INFO>
<ENDPOINT_ID scheme="0088">4026227000001</ENDPOINT_ID>
<ADDRESS>
  <STREET>Hauptstraße 1</STREET>
  <CITY>Berlin</CITY>
  <POSTAL_CODE>10115</POSTAL_CODE>
  <COUNTRY>DE</COUNTRY>
</ADDRESS>
<CONTACT>
  <NAME>Max Mustermann</NAME>
  <PHONE>+49 30 12345678</PHONE>
  <EMAIL>info@seller.de</EMAIL>
</CONTACT>
</PARTY>

```

Example - Payee (minimal):

```

<PARTY is="PE">
  <NAME>Factoring Bank AG</NAME>
  <ID type="GLN">4012345678901</ID>
  <LEGAL_ID scheme="0204">HRB 99999</LEGAL_ID>
</PARTY>

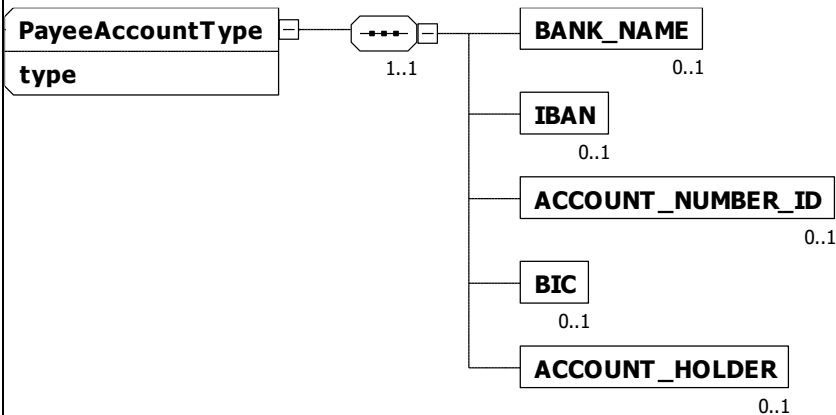
```

Attributes

is	Usage	O
	Type	PartyRoleEnum

PayeeAccountType

ComplexType



Description

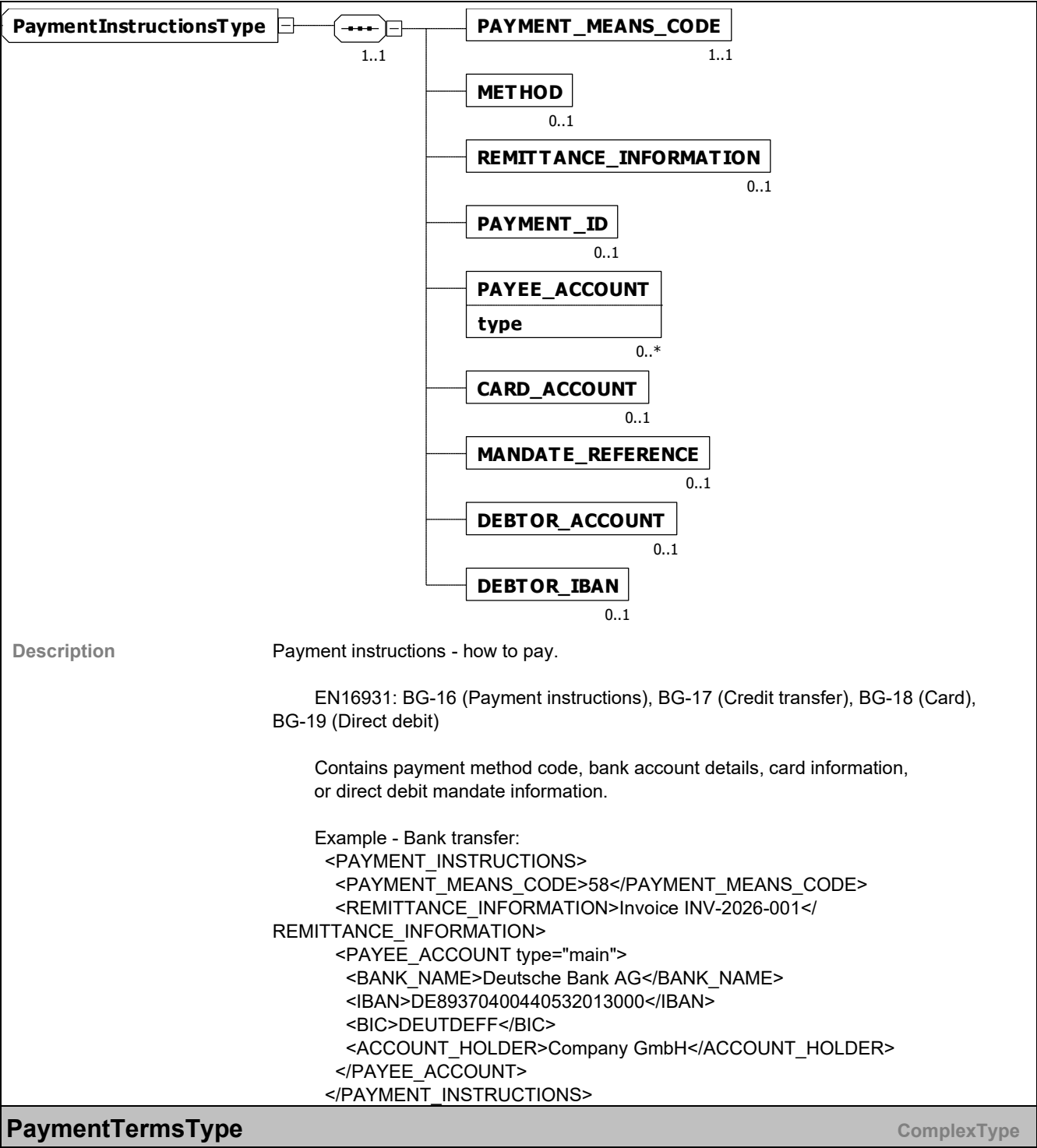
Bank account information for payment.

EN16931: BG-17 (Credit transfer)
Contains IBAN, BIC, bank name, and account holder.

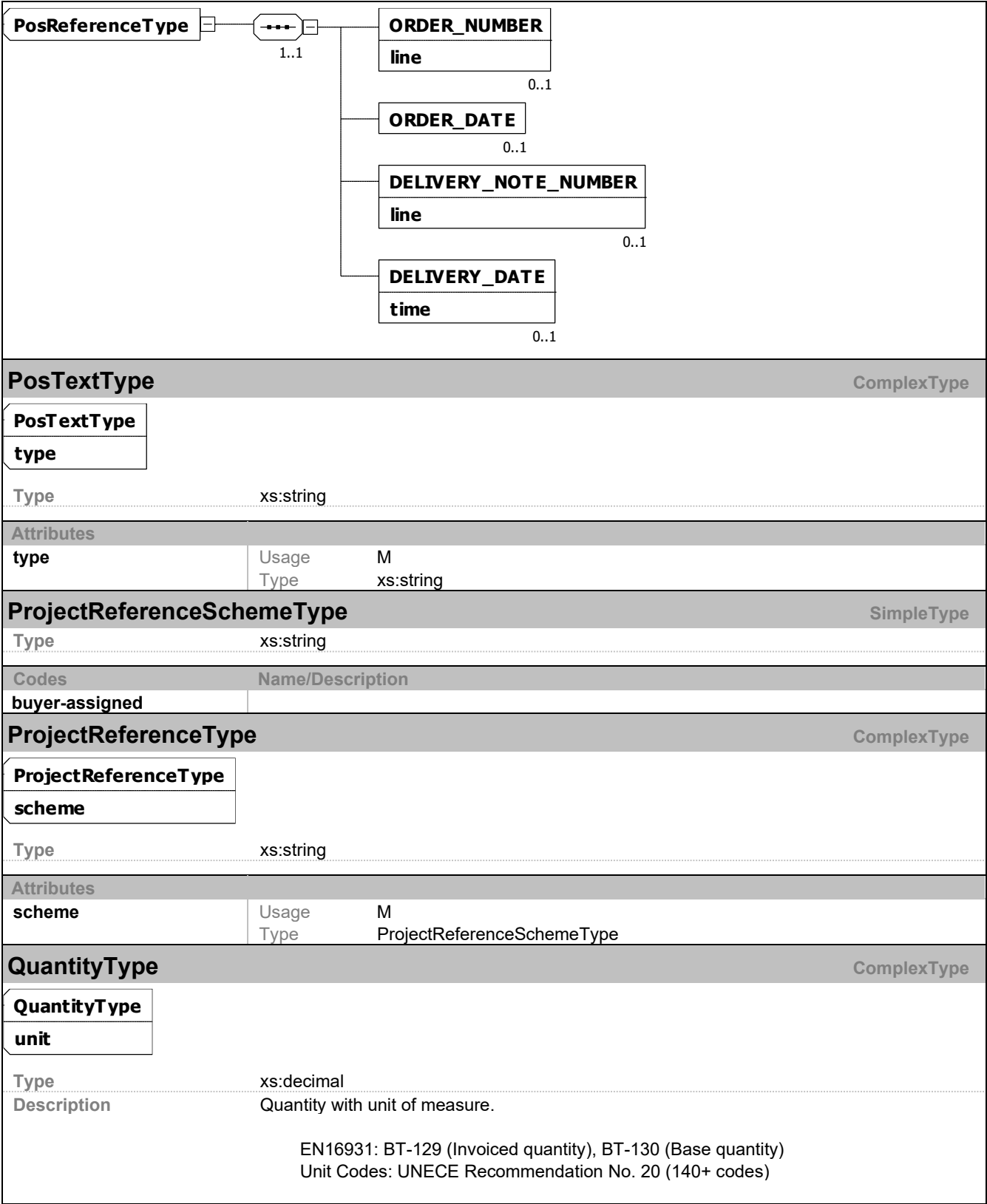
Multiple accounts can be provided (one main, others optional).

Example:
<PAYEE_ACCOUNT type="main">

<BANK_NAME>Deutsche Bank AG</BANK_NAME> <IBAN>DE89370400440532013000</IBAN> <BIC>DEUTDEFF</BIC> <ACCOUNT_HOLDER>Company GmbH</ACCOUNT_HOLDER> </PAYEE_ACCOUNT>	
Attributes	
type	Usage M Type PayeeAccountTypeEnum Description Account priority: "main" or "optional" <ul style="list-style-type: none"> • main - Primary payment account • optional - Alternative payment account Example: type="main"
PayeeAccountTypeEnum SimpleType	
Type	xs:string
Description	Account priority type. Values: <ul style="list-style-type: none"> • main - Primary/preferred payment account • optional - Alternative payment option
Codes Name/Description	
main	Primary payment account (mandatory)
optional	Alternative payment account (optional)
PaymentInstructionsType ComplexType	



<div><div>PaymentTermsType</div><div><div>1..1</div><div><div>DUE_DATE</div><div>0..1</div></div><div><div>TERM_TEXT</div><div>0..1</div></div><div><div>DISCOUNT</div><div>0..1</div></div></div></div>	
<div><div>Description</div><div>Payment terms and conditions.</div><div>Contains due date, payment terms text, and optional cash discount. At least one element should be provided.</div><div>Example: <PAYMENT_TERMS> <DUE_DATE>2026-02-28</DUE_DATE> <TERM_TEXT>Payment within 30 days net</TERM_TEXT> <DISCOUNT> <PERCENTAGE>2.0</PERCENTAGE> <DUE_DATE>2026-02-14</DUE_DATE> <TERM_TEXT>2% discount if paid within 14 days</TERM_TEXT> </DISCOUNT> </PAYMENT_TERMS></div></div>	
PercentageType	SimpleType
Type	xs:decimal
FractionDigits / TotalDigits	2 /
PeriodType	ComplexType
<div><div>PeriodType</div><div><div>1..1</div><div><div>START_DATE</div><div>1..1</div></div><div><div>END_DATE</div><div>1..1</div></div></div></div>	
PosALCType	ComplexType
<div><div>PosALCType</div><div><div>1..1</div><div><div>ALC</div><div>type reason</div></div></div></div>	
	1..*
PositionType	ComplexType
<div><div>PositionType</div><div><div>1..1</div><div><div>ITEM</div><div>1..*</div></div></div></div>	
PosReferenceType	ComplexType



Common Units:

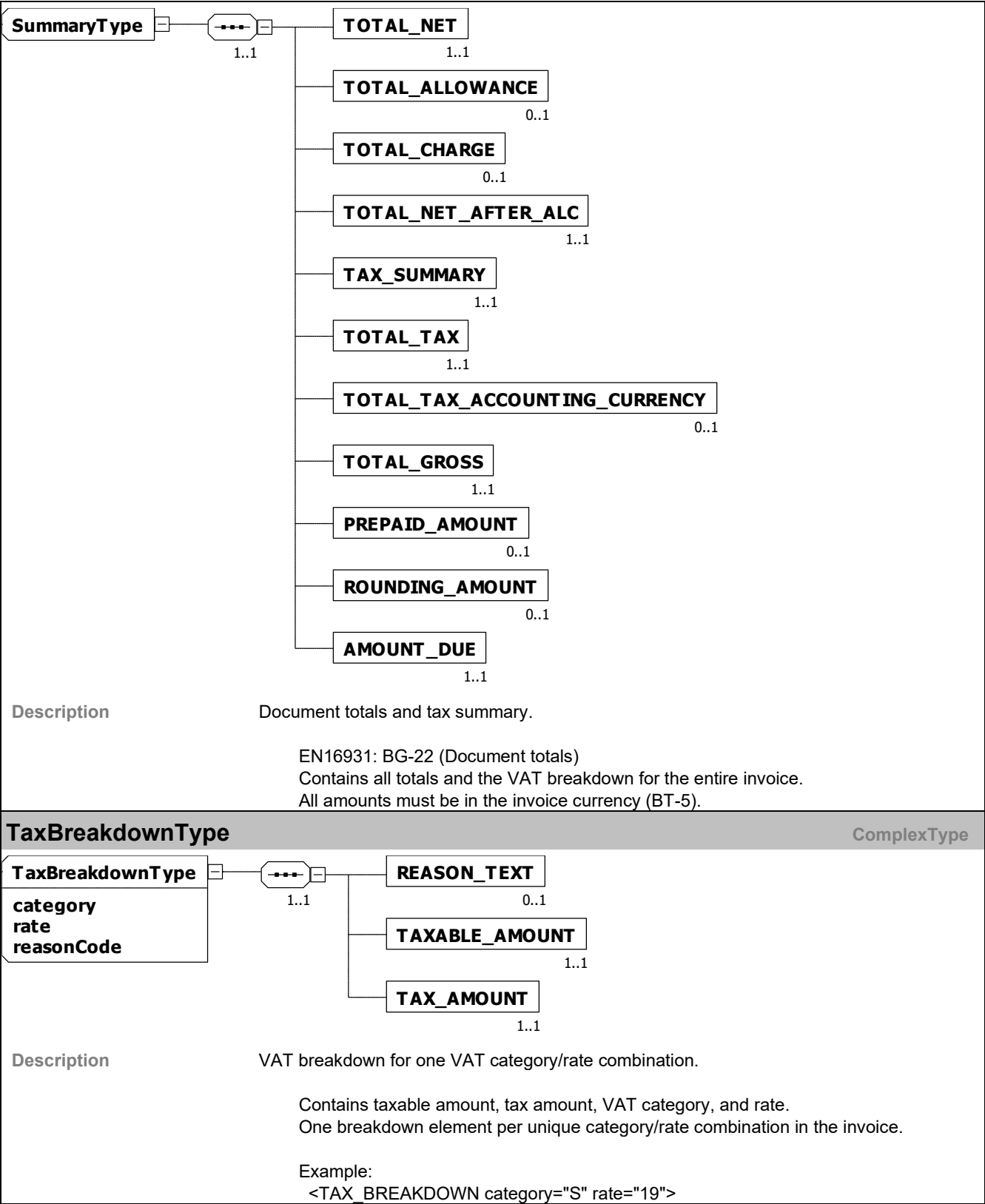
- C62 - Piece/Unit (default for countable items)
- KGM - Kilogram (weight)
- LTR - Litre (volume)
- HUR - Hour (time/service)
- MTR - Metre (length)
- MTK - Square metre (area)
- MTQ - Cubic metre (volume)
- DAY - Day (time period)
- TNE - Tonne/Metric ton

Examples:

<QUANTITY unit="C62">100</QUANTITY> (100 pieces)
 <QUANTITY unit="KGM">25.5</QUANTITY> (25.5 kilograms)
 <QUANTITY unit="HUR">8.5</QUANTITY> (8.5 hours)
 <QUANTITY unit="LTR">150.0</QUANTITY> (150 litres)
 <QUANTITY unit="MTR">10.25</QUANTITY> (10.25 metres)

Note: Decimal values allowed for precise measurements.

Attributes		
unit	Usage Type	M UnitCodeType
ReceivingAdviceReferenceSchemeType		
Type	xs:string	
Codes	Name/Description	
buyer-assigned		
ReceivingAdviceReferenceType		
ComplexType		
<div>ReceivingAdviceReferenceType</div>		
<div>scheme</div>		
Type	xs:string	
Attributes		
scheme	Usage Type	M ReceivingAdviceReferenceSchemeType
SummaryType		
ComplexType		



<TAXABLE_AMOUNT>1000.00</TAXABLE_AMOUNT> <TAX_AMOUNT>190.00</TAX_AMOUNT> </TAX_BREAKDOWN>		
Attributes		
category	Usage M Type TaxCategoryCodeType Description BT-118: VAT category code (MANDATORY) UN/CEFACT UNTDID 5305 code. Common values: S - Standard rate Z - Zero rated E - Exempt AE - Reverse charge Example: category="S"	
rate	Usage M Type xs:decimal Description BT-119: VAT category rate (MANDATORY) VAT rate as percentage (0-100). Common rates: 19, 7 (Germany) 20, 5 (UK) 21, 9 (Netherlands) Example: rate="19"	
reasonCode	Usage O Type xs:string Description BT-121: VAT exemption reason code (CONDITIONAL) Code for VAT exemption reason. VATEX code list (EU). Required for certain VAT categories. Example: reasonCode="VATEX-EU-132"	
TaxCategoryCodeType		SimpleType
Type	xs:string	
Codes	Name/Description	
AE	VAT Reverse Charge (Umkehrung der Steuerschuldnerschaft)	
B	Transferred (VAT) (Übertragene Mehrwertsteuer)	
E	Exempt from tax (Steuerbefreit)	
G	Free export item, tax not charged (Ausfuhrlieferung)	
K	VAT exempt for EEA intra-community supply of goods and services (Innergemeinschaftliche Lieferung)	
L	Canary Islands general indirect tax (IGIC - Kanarische Inseln)	
M	Tax for production, services and importation in Ceuta and Melilla (IPSI)	
O	Services outside scope of tax (Nicht steuerbare Leistung)	
S	Standard rate (Regelsteuersatz)	
Z	Zero rated goods (Umsatzsteuerfrei mit Vorsteuerabzug)	
TaxSummaryType		ComplexType

<div><div>TaxSummaryType</div><div>1..1</div><div><div>TAX_BREAKDOWN</div><div>category rate reasonCode</div><div>1..*</div></div></div>	
Description	BG-23: VAT breakdown (MANDATORY) Contains breakdown of VAT by category and rate. At least one TAX_BREAKDOWN element required. Multiple breakdowns for different VAT rates/categories.
TaxType <div>ComplexType</div>	
<div><div>TaxType</div><div>rate category</div></div>	
Type	MoneyType
Attributes	
rate	Usage M Type xs:decimal
category	Usage M Type TaxCategoryCodeType
TenderReferenceSchemeType <div>SimpleType</div>	
Type	xs:string
Codes	Name/Description
buyer-assigned	
TenderReferenceType <div>ComplexType</div>	
<div><div>TenderReferenceType</div><div>scheme</div></div>	
Type	xs:string
Attributes	
scheme	Usage M Type TenderReferenceSchemeType
TimestampType <div>SimpleType</div>	
Type	xs:dateTime
Pattern	\d{4}-\d{2}-\d{2}T\d{2}:\d{2}:\d{2}
Description	Timestamp in ISO 8601 format WITHOUT timezone. Pattern: YYYY-MM-DDTHH:MM:SS Base Type: xs:dateTime with pattern restriction Valid Examples: <ul style="list-style-type: none">2025-11-26T15:00:002025-01-01T00:00:002026-12-31T23:59:59

Invalid Examples:

X 2025-11-26T15:00:00Z (timezone suffix not allowed)
 X 2025-11-26 15:00:00 (space instead of T separator)
 X 2025-9-5T15:0:0 (leading zeros required)
 X 26.11.2025T15:00:00 (wrong date format)

Usage: RIF_INVOIC/@timestamp, DOCUMENT/@timestamp

UnitCodeType

SimpleType

Type xs:string

Codes	Name/Description
2P	Kilobyte
4L	Megabyte
5I	Standard cubic foot
A53	Watt per kilogram
A9	Rate per unit
A90	Gigawatt hour
A97	Hectopascal
ACR	Acre
AD	Byte
AMP	Ampere
ANN	Year
ARE	Are (100 m ²)
BAR	Bar
BG	Bag
BO	Bottle
BX	Box
C16	Millimetre per second
C55	Newton per square metre
C62	One (piece)
CA	Can
CEL	Degree Celsius
CLT	Centilitre
CMK	Square centimetre
CMQ	Cubic centimetre
CMT	Centimetre
CR	Crate
CS	Case
CT	Carton
CWA	Hundredweight (US)
CWI	Hundredweight (UK)
D33	Tesla
DAY	Day
DG	Decigram
DJ	Decagram
DLT	Decilitre
DMA	Cubic decametre
DMQ	Cubic decimetre
DPC	Dozen piece
DR	Drum
DTN	Decitonne (100 kg)

Codes	Name/Description
E34	Gigabyte
E35	Terabyte
EA	Each
FAH	Degree Fahrenheit
FOT	Foot
FTK	Square foot
FTQ	Cubic foot
G26	Stere (m ³)
GLI	Gallon (US)
GLL	Gallon (UK)
GRM	Gram
GRN	Grain
GRO	Gross
GWH	Gigawatt hour (1000 MWh)
H87	Piece per cubic metre
HAR	Hectare
HLT	Hectolitre
HM	Mile per hour (statute mile)
HTZ	Hertz
HUR	Hour
INH	Inch
INK	Square inch
INQ	Cubic inch
KEL	Kelvin
KGM	Kilogram
KHZ	Kilohertz
KMH	Kilometre per hour
KMT	Kilometre
KNT	Knot
KT	Kit
KWH	Kilowatt hour
KWT	Kilowatt
LBR	Pound
LM	Linear metre
LPA	Litre of pure alcohol
LS	Lump sum
LTR	Litre
MGM	Milligram
MHZ	Megahertz
MIN	Minute
MLT	Millilitre
MMK	Square millimetre
MMT	Millimetre
MON	Month
MTK	Square metre
MTQ	Cubic metre
MTR	Metre
MTS	Metre per second
MWH	Megawatt hour

Codes	Name/Description
NAR	Number of articles
NIU	Number of international units
NPL	Number of packs
NPR	Number of pairs
OHM	Ohm
ONZ	Ounce
OZA	Fluid ounce (US)
OZI	Fluid ounce (UK)
PA	Packet
PCE	Piece (deprecated, use C62)
PK	Pack
PL	Pail
PR	Pair
PT	Pint (US)
PTI	Pint (UK)
Q3	Meal
QT	Quart (US)
RM	Ream
RO	Roll
SA	Sack
SEC	Second
SET	Set
SMI	Mile (statute mile)
STI	Stone (UK)
TNE	Tonne (metric ton)
VLT	Volt
WEE	Week
WHR	Watt hour
YDK	Square yard
YDQ	Cubic yard
YRD	Yard
Z1	Manday
Z3	Manmonth
xs:date	SimpleType
xs:dateTime	SimpleType
xs:decimal	SimpleType
xs:string	SimpleType