



Message Implementation Guideline

## **XRechnung - UBL2.1 xml**

Incoming Invoice

Version: v1.1  
Issue date: 30.11.2020  
Author: BMW

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# Important notices

## STATUS

Information about cardinality divergences between eInvoicing Implementation and XRechnung standard is provided in chapter cardinality divergences.

## FORMAT

An XSD file provided with XRechnung standard defines structure of the XRechnung UBL XML version 2.1 and data type attribute for each element. The XSD file does not define length limitation of the element value. Partner is able to send element values without length limitations. However, recommended data formats (lengths, masks, etc.) are provided in this document. Some of elements are limited by provided code lists. For elements limited by ISO Code Lists, references to the corresponding lists are added in CodeList properties.

## Change History

Changed Date for Release	Version	Change description	Element	Author
Go Live 25.03.2020	v1.0	MIG creation	Invoice	BMW
Release2 30.11.2020	v1.1	Additional BMW Company Codes	AccountingCustomerParty - Party - PartyIdentification - ID	BMW
Release2 30.11.2020	v1.1	Address update BMW Unit Codes	Delivery - DeliveryLocation - ID	BMW
Release2 30.11.2020	v1.1	Address update BMW Unit Codes	InvoiceLine - Delivery - DeliveryLocation - Address- ID	BMW
Release2 30.11.2020	v1.1	Additional note	Invoice - ID	BMW

## Cardinality divergence between eInvoicing Implementation and XRechnung Standard

Path to element	XRechnung Standard BMW eInvoicing Implementierung	
Invoice		
Invoice/cac:InvoicePeriod		
Invoice/cac:InvoicePeriod/cbc:StartDate	D	R
Invoice/cac:AccountingSupplierParty		
Invoice/cac:AccountingSupplierParty/cac:Party		
Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyIdentification		
Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyIdentification/cbc:ID	O	R
Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress		
Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:StreetName	O	R
Invoice/cac:AccountingCustomerParty		
Invoice/cac:AccountingCustomerParty/cac:Party		
Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyIdentification		
Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyIdentification/cbc:ID	O	R
Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress		
Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:StreetName	O	R
Invoice/cac:TaxRepresentativeParty		
Invoice/cac:TaxRepresentativeParty/cac:PostalAddress		
Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:StreetName	O	R
Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:CityName	O	R
Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:PostalZone	O	R
Invoice/cac:Delivery		
Invoice/cac:Delivery/cac:DeliveryLocation		
Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address		
Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:StreetName	O	R
Invoice/cac:InvoiceLine		
Invoice/cac:InvoiceLine/cac:Item		
Invoice/cac:InvoiceLine/cac:Item/cbc:Description	O	R
Invoice/cac:InvoiceLine/cac:Item/cac:ClassifiedTaxCategory		
Invoice/cac:InvoiceLine/cac:Item/cac:ClassifiedTaxCategory/cbc:Percent	O	R

## Structur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
<b>Invoice</b>			
0..1 O	<b>cbc:UBLVersionID</b>	UBL Version ID	
1..1 R	<b>cbc:CustomizationID</b>	Specification identifier - Guideline	BT-24
0..1 D	<b>cbc:ProfileID</b>	Profile ID - PEPPOL Network	
1..1 R	<b>cbc:ID</b>	Invoice Number	BT-1
0..1 O	<b>cbc:CopyIndicator</b>	Copy indicator	
1..1 R	<b>cbc:IssueDate</b>	Invoice date	BT-2
1..1 R	<b>cbc:InvoiceTypeCode</b>	Invoice type, code	BT-3
0..1 O	<b>cbc:Note</b>	Free text on header / document level	BT-22
1..1 R	<b>cbc:DocumentCurrencyCode</b>	Invoice currency (code)	BT-5
1..1 R	<b>cbc:BuyerReference</b>	Buyer reference	BT-10
0..n D	<b>cac:InvoicePeriod</b>	Details on billing specified period	BG-14
1..1 R	<b>cbc:StartDate</b>	Start of the billing period, date	BT-73
1..1 R	<b>cbc:EndDate</b>	End of the billing period, date	BT-74
0..1 A	<b>cac:OrderReference</b>	Details on corresponding order	
1..1 R	<b>cbc:ID</b>	BMW order number	BT-13
0..1 O	<b>cbc:IssueDate</b>	Order date	
0..n	<b>cac:BillingReference</b>		
0..1 O	<b>cac:InvoiceDocumentReference</b>	Details on referenced invoice	BG-3
1..1 R	<b>cbc:ID</b>	Preceding Invoice number	BT-25
0..n O	<b>cac:AdditionalDocumentReference</b>	Additional Documents	BG-24
1..1 R	<b>cbc:ID</b>	Supporting Document Reference	BT-17, BT-18, BT-122
0..1 O	<b>cac:Attachment</b>	Attachment	BT-125
1..1 R	<b>cbc:EmbeddedDocumentBinaryObject</b>	Document as encoded base64 string	BT-125
required	<b>@mimeCode</b>	MIME Code, attribute	BT-125
required	<b>@filename</b>	File name, attribute	BT-125
1..1 R	<b>cac:AccountingSupplierParty</b>	Seller	BG-4
1..1 R	<b>cac:Party</b>		
0..1 D	<b>cbc:EndpointID</b>	Supplier ID - PEPPOL Network ID	
required	<b>@schemeID</b>	Supplier ID, country code - PEPPOL Network ID	
1..1 R	<b>cac:PartyIdentification</b>		
1..1 R	<b>cbc:ID</b>	BMW supplier/seller number	BT-29
1..n R	<b>cac:PartyName</b>		
1..1 R	<b>cbc:Name</b>	Company name of the supplier / seller	BT-27
1..1 R	<b>cac:PostalAddress</b>	Complete address of the supplier / seller	BG-5
0..1 O	<b>cbc:Postbox</b>	Post box, supplier / seller	
1..1 R	<b>cbc:StreetName</b>	Street , part 1	BT-35
0..1 O	<b>cbc:AdditionalStreetName</b>	Street , part 2	BT-36
1..1 R	<b>cbc:CityName</b>	City	BT-37
1..1 R	<b>cbc:PostalZone</b>	Postcode, supplier / seller	BT-38
1..1 R	<b>cac:Country</b>	Country	
1..1 R	<b>cbc:IdentificationCode</b>	Country code, supplier / seller	BT-40
0..n A	<b>cac:PartyTaxScheme</b>	Tax registration details	
0..1 D	<b>cbc:CompanyID</b>	(Local) tax Id	BT-31, BT-32
R		VAT Id	
1..1 R	<b>cac:TaxScheme</b>		
1..1 R	<b>cbc:ID</b>	Type of tax identifier	BT-31-0, BT-32-0
1..n R	<b>cac:PartyLegalEntity</b>		
1..1 R	<b>cbc:RegistrationName</b>	Company name of the supplier / seller	BT-28
0..1 D	<b>cbc:CompanyID</b>	Trade register number and legal seat of the supplier / seller	BT-30
0..1 D	<b>cbc:CompanyLegalForm</b>	Regulatory information	BT-33
1..1 R	<b>cac:Contact</b>	Contact person of the supplier / seller	BG-6
1..1 R	<b>cbc:Name</b>	Contact person of the supplier / seller	BT-41
1..1 R	<b>cbc:Telephone</b>	Telephone number of the supplier / seller	BT-42
0..1 O	<b>cbc:Telefax</b>	Telefax number of the supplier / seller	
1..1 R	<b>cbc:ElectronicMail</b>	Email address of the supplier / seller	BT-43
0..n O	<b>cbc:Note</b>	Contact informaton - free text	
0..n O	<b>cac:Person</b>		

## Struktur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
0..1 O	cbc:FirstName	First name contact person of the supplier / seller	
0..1 O	cbc:FamilyName	Family name contact person of the supplier / seller	
1..1 R	cac:AccountingCustomerParty	Buyer	BG-7
1..1 R	cac:Party		
0..1 D	cbc:EndpointID	Buyer ID - PEPPOL Network ID	
optional	@schemeID	Buyer ID, country cocde - PEPPOL Network ID	
1..1 R	cac:PartyIdentification		
1..1 R	cbc:ID	BMW Company Code	BT-46
1..n R	cac:PartyName		
1..1 R	cbc:Name	BMW company name	BT-44
1..1 R	cac:PostalAddress	Complete address of the buyer	BG-8
1..1 R	cbc:StreetName	Street , part 1	BT-50
0..1 O	cbc:AdditionalStreetName	Street , part 2	BT-51
1..1 R	cbc:CityName	City	BT-52
1..1 R	cbc:PostalZone	Postcode, buyer	BT-53
1..1 R	cac:Country	Country	
1..1 R	cbc:IdentificationCode	Country code, buyer	BT-55
0..n A	cac:PartyTaxScheme	Tax registration details	
0..1 D	cbc:CompanyID	VAT Id, buyer	BT-48
D		(Local) tax Id, buyer	
1..1 R	cac:TaxScheme		
1..1 R	cbc:ID	Type of tax identifier	
1..n R	cac:PartyLegalEntity		
1..1 R	cbc:RegistrationName	Company name of the buyer	BT-44
0..1 O	cbc:CompanyID	Trade register number and legal seat of the buyer	
0..1 O	cac:Contact	Contact person of the buyer	BG-9
0..1 O	cbc:Name	Contact person of the buyer	BT-56
0..1 O	cbc:Telephone	Telephone number of the buyer	BT-57
0..1 O	cbc:Telefax	Telefax number of the buyer	
0..1 O	cbc:ElectronicMail	Email address of the buyer	BT-58
0..n O	cac:Person		
0..1 O	cbc:FirstName	First name contact person of the buyer	
0..1 O	cbc:FamilyName	Family name contact person of the buyer	
0..1 O	cac:PayeeParty	Payee	BG-10
1..n R	cac:PartyIdentification		
1..1 R	cbc:ID	BMW payee (supplier/seller) number	BT-60
1..n R	cac:PartyName		
1..1 R	cbc:Name	Company name of the payee	BT-59
1..1 R	cac:PostalAddress	Complete address of the payee	
0..1 O	cbc:Postbox	Post box, payee	
1..1 R	cbc:StreetName	Street , part 1	
0..1 O	cbc:AdditionalStreetName	Street , part 2	
1..1 R	cbc:CityName	City	
1..1 R	cbc:PostalZone	Postcode, payee	
1..1 R	cac:Country	Country	
1..1 R	cbc:IdentificationCode	Country code, payee	
0..n O	cac:PartyTaxScheme	Details on tax registration	
0..1 D	cbc:CompanyID	VAT registration number, payee	BT-61
D		Tax registration number, payee	
1..1 R	cac:TaxScheme		
1..1 R	cbc:ID	Type of payee number , code	BT-61
0..1 D	cac:TaxRepresentativeParty	Seller tax representative	BG-11
1..n R	cac:PartyName		
1..1 R	cbc:Name	Company name of the Tax representative	BT-62
1..1 R	cac:PostalAddress	Complete address of the Tax representative	BG-12
0..1 O	cbc:Postbox	Post box, Tax representative	
1..1 R	cbc:StreetName	Street , part 1	BT-64
0..1 O	cbc:AdditionalStreetName	Street , part 2	BT-65
1..1 R	cbc:CityName	City	BT-66
1..1 R	cbc:PostalZone	Postcode	BT-67

## Structur - XRechnung UBL2.1


Cardinality	Element	Description	EN 16931-ID
1..1 R	<b>cac:Country</b>		
1..1 R	<b>cbc:IdentificationCode</b>	Country code	BT-69
1..n R	<b>cac:PartyTaxScheme</b>	Details on tax registration	
0..1 D	<b>cbc:CompanyID</b>	VAT registration number, tax representative	BT-63
		Tax registration number, tax representative	
1..1 R	<b>cac:TaxScheme</b>		
1..1 R	<b>cbc:ID</b>	Type of number , code	
0..n D	<b>cac:Delivery</b>	Ship To / Delivery	BG-13
0..1 A	<b>cbc:ID</b>	Delivery Note Number, document level	BT-16
0..1 O	<b>cbc:ActualDeliveryDate</b>	Delivery Note Date, document	BT-72
0..1 D	<b>cac:DeliveryLocation</b>	Complete address of the delivery location	BG-15
0..1 D	<b>cbc:ID</b>	BMW Business Area Code	BT-71
0..1 A	<b>cac:Address</b>	Details on ship to address	BG-15
0..1 D	<b>cbc:ID</b>	BMW Business Unit Code	
1..1 R	<b>cbc:StreetName</b>	Ship To street , part 1	BT-75
0..1 O	<b>cbc:AdditionalStreetName</b>	Line two	BT-76
1..1 R	<b>cbc:CityName</b>	City	BT-77
1..1 R	<b>cbc:PostalZone</b>	Postcode, buyer	BT-78
1..1 R	<b>cac:Country</b>	Country	
1..1 R	<b>cbc:IdentificationCode</b>	Country code, ship to	BT-80
0..1 O	<b>cac:DeliveryParty</b>		
1..n R	<b>cac:PartyName</b>		
1..1 R	<b>cbc:Name</b>	Company Name, ship to	BT-70
1..n R	<b>cac:PaymentMeans</b>	Details on payment means	BG-16
1..1 R	<b>cbc:PaymentMeansCode</b>	Payment means, code	BT-81
0..1 D	<b>cbc:PaymentDueDate</b>	Payment due date	BT-9
0..n D	<b>cbc:InstructionNote</b>	Free text information on payment means	BT-82
0..1 D	<b>cac:PayeeFinancialAccount</b>	Seller's bank account	BG-17
1..1 R	<b>cbc:ID</b>	IBAN, payee	BT-84
0..1 O	<b>cbc:Name</b>	Name of account holder	BT-85
0..1 D	<b>cac:FinancialInstitutionBranch</b>	Seller's financial institution	
0..1 O	<b>cbc:ID</b>	BIC, Bank identifier	BT-86
0..1 O	<b>cbc:Name</b>	Bank name	
0..n D	<b>cac:PaymentTerms</b>	Details on payment terms	
0..n D	<b>cbc:Note</b>	Payment terms, free text	BT-20
0..n O	<b>cac:PrepaidPayment</b>		
0..1 D	<b>cbc:PaidAmount</b>	Prepaid amount	BT-113
required	<b>@currencyID</b>	Currency (code)	
0..n O	<b>cac:AllowanceCharge</b>	Allowances or charges on document / invoice level	BG-20, BG-21
1..1 R	<b>cbc:ChargeIndicator</b>	Allowance or charge, code	BG-20-0, BG-21-0
0..1 O	<b>cbc:AllowanceChargeReasonCode</b>	Reason for allowance or charge (Code)	BT-98, BT-105
0..n O	<b>cbc:AllowanceChargeReason</b>	Allowance or charge, description free text	BT-97, BT-104
1..1 R	<b>cbc:Amount</b>	Allowance or charge, monetary amount on document level	BT-92, BT-99
required	<b>@currencyID</b>	Currency (code)	
1..n R	<b>cac:TaxTotal</b>	Grouping details on trade tax	BG-23
1..1 R	<b>cbc:TaxAmount</b>	Tax total amount	BT-110
required	<b>@currencyID</b>	Currency (code)	
1..n R	<b>cac:TaxSubtotal</b>	Total taxable and tax amount per tax rate	
1..1 R	<b>cbc:TaxableAmount</b>	Total taxable amount per tax rate	BT-116
required	<b>@currencyID</b>	Currency (code)	
1..1 R	<b>cbc:TaxAmount</b>	Total tax amount per tax rate	BT-117
required	<b>@currencyID</b>	Currency (code)	
1..1 R	<b>cac:TaxCategory</b>		
1..1 R	<b>cbc:ID</b>	Tax category type, code	BT-118
1..1 R	<b>cbc:Percent</b>	The tax rate (numeric)	BT-119
0..n D	<b>cbc:TaxExemptionReason</b>	Reason for tax exempt, free text	BT-120
1..1 R	<b>cac:TaxScheme</b>		
1..1 R	<b>cbc:ID</b>	tax type, code	BT-118-0
1..1 R	<b>cac:LegalMonetaryTotal</b>	Detail of document totals	BG-22

## Struktur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
1..1 R required	<b>cbc:LineExtensionAmount</b> @currencyID	Line total amount, value Currency (code)	BT-106
1..1 R required	<b>cbc:TaxExclusiveAmount</b> @currencyID	Tax basis total amount, value Currency (code)	BT-109
1..1 R required	<b>cbc:TaxInclusiveAmount</b> @currencyID	Invoice total amount, value Currency (code)	BT-112
0..1 O required	<b>cbc:AllowanceTotalAmount</b> @currencyID	Allowance total amount, value Currency (code)	BT-107
0..1 O required	<b>cbc:ChargeTotalAmount</b> @currencyID	Charge total amount, value Currency (code)	BT-108
0..1 D required	<b>cbc:PrepaidAmount</b> @currencyID	Prepaid amount Currency (code)	BT-113
1..1 R required	<b>cbc:PayableAmount</b> @currencyID	Due payable amount, value Currency (code)	BT-115
1..n R	<b>cac:InvoiceLine</b>	Line item section	BG-25
1..1 R	<b>cbc:ID</b>	Line item identifier	BT-126
0..n O	<b>cbc:Note</b>	Line item free text	BT-127
1..1 R required	<b>cbc:InvoicedQuantity</b> @unitCode	Invoiced quantity unit of measure	BT-129
1..1 R required	<b>cbc:LineExtensionAmount</b> @currencyID	Line item net amount Currency (code)	BT-131
0..1 A	<b>cac:OrderLineReference</b>	order number - line item level	
1..1 R	<b>cbc:LineID</b>	line item Order number	BT-132
1..1 R	<b>cac:OrderReference</b>		
1..1 R	<b>cbc:ID</b>	BMW order number	
0..1 O	<b>cbc:IssueDate</b>	order date	
0..n D	<b>cac:Delivery</b>	Grouping on delivery information	
0..1 A	<b>cbc:ID</b>	Delivery note number, line item level	BT-16
0..1 O	<b>cbc:ActualDeliveryDate</b>	Delivery note date, line item	
0..1 D	<b>cac:DeliveryAddress</b>	Details on the ship to	
0..1 D	<b>cbc:ID</b>	BMW Business Area Code - Line	BT-71
0..1 A	<b>cbc:StreetName</b>	Street	
1..1 R	<b>cbc:CityName</b>	City	
0..1 A	<b>cbc:PostalZone</b>	Postcode, buyer	
1..1 R	<b>cac:Country</b>		
1..1 R	<b>cbc:IdentificationCode</b>	Country code, ship to	
0..1 D	<b>cac:DeliveryLocation</b>	Details on the business Unit	
0..1 D	<b>cac:Address</b>	Details on the business unit	
0..1 D	<b>cbc:ID</b>	BMW Business Unit Code - Line	
0..n O	<b>cac:AllowanceCharge</b>	Allowances or charges on line item level	BG-27, BG-28
1..1 R	<b>cbc:ChargeIndicator</b>	Allowance or charge, code	BG-27-0, BG-28-0
0..n O	<b>cbc:AllowanceChargeReason</b>	Allowance or charge, description free text	BT-139, BT-144
1..1 R required	<b>cbc:Amount</b> @currencyID	Allowance or charge, monetary amount Currency (code)	BT-136, BT-141
1..1 R	<b>cac:Item</b>	Description of article or service	BG-31
1..n R	<b>cbc:Description</b>	Description of article or service	BT-154
1..1 R	<b>cbc:Name</b>	Name of article or service	BT-153
0..1 O	<b>cac:BuyersItemIdentification</b>	Buyer article number	BT-156
1..1 R	<b>cbc:ID</b>	BMW article number	BT-156
0..1 O	<b>cac:SellersItemIdentification</b>	Seller/Supplier article number	BT-155
1..1 R	<b>cbc:ID</b>	Supplier / seller article number	BT-155
1..n R	<b>cac:ClassifiedTaxCategory</b>	Details on line taxes	BG-30
1..1 R	<b>cbc:ID</b>	Tax category type, code	BT-151
1..1 R	<b>cbc:Percent</b>	The tax rate (numeric)	BT-152
0..n D	<b>cbc:TaxExemptionReason</b>	Reason for tax exempt, free text	
1..1 R	<b>cac:TaxScheme</b>		
1..1 R	<b>cbc:ID</b>	tax type, code	BT-151-0
1..1 R	<b>cac:Price</b>	Price details	BG-29
1..1 R required	<b>cbc:PriceAmount</b> @currencyID	price Currency (code)	BT-146



## Struktur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
0..1 O	 <b>cbc:BaseQuantity</b>	price base quantity, value	BT-149-0

## Details - XRechnung UBL 2.1 schema

### Invoice

<b>cbc:UBLVersionID</b>	UBL Version ID
<p>Status: <b>O</b></p> <p>Path: <i>Invoice/cbc:UBLVersionID</i></p> <p>Data Type: cbc:UBLVersionIDType</p> <p>Cardinality: 0..1</p> <p>Example 2.1</p>	
<b>cbc:CustomizationID</b>	Specification identifier - Guideline
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cbc:CustomizationID</i></p> <p>Data Type: cbc:CustomizationIDType</p> <p>Synonym: Profile, DOCUMENTID (Peppol)</p> <p>Cardinality: 1..1</p> <p>Usage: The identification of the specification which contains the entire set of rules for the semantic content, for the cardinalities and for the business rules, and with which the rules contained in the instance document are conformant.</p> <p>Note: Invoices that conform to the standard X-Invoice are given here urn: cen.eu: en16931: 2017 # compliant # urn: xoev-de: kosit: standard: xrech_1.2 an.</p> <p>EN 16931-ID: BT-24</p> <p>Example urn:cen.eu:en16931:2017#compliant#urn:xoev-de:kosit:standard:xrechnung_1.2</p>	
<b>cbc:ProfileID</b>	Profile ID - PEPPOL Network
<p>Status: <b>D</b></p> <p>Path: <i>Invoice/cbc:ProfileID</i></p> <p>Data Type: cbc:ProfileIDType</p> <p>Synonym: PROCESSID</p> <p>Cardinality: 0..1</p> <p>Usage: If the supplier sends his invoices via the PEPPOL network they must fill this ID. If the supplier sends his invoice via a direct connect this ID is not needed</p> <p>Example urn:fdc:peppol.eu:2017:poacc:billing:01:1.0</p>	
<b>cbc:ID</b>	Invoice Number
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cbc:ID</i></p> <p>Data Type: cbc:IDType</p> <p>Length: 1 ... 16</p> <p>Cardinality: 1..1</p> <p>Usage: A unique identifier for the invoice, which identifies it in the seller's system.</p> <p>Remark: The continuous number as requested in accordance with artikel 226 (2) of the directive 2006/112/EG. It is issued once only to identify the invoice within the business context, the time frame, the operating systems as well as the recordings by the seller. It may consist of one or more number sequences which also may contain alpha-numeric characters. An identification scheme must not be used. BMW cannot process invoice numbers with leading zeros. Please remove leading zeros in the invoice number.</p> <p>EN 16931-ID: BT-1</p> <p>Example 7412B123456789</p>	
<b>cbc:CopyIndicator</b>	Copy indicator
<p>Status: <b>O</b></p> <p>Path: <i>Invoice/cbc:CopyIndicator</i></p> <p>Data Type: cbc:CopyIndicatorType</p> <p>Cardinality: 0..1</p> <p>Note: true = copy false = original</p> <p>Example false</p>	

## Details - XRechnung UBL 2.1 schema

### cbc:IssueDate

Invoice date

Status: **R**

Path: *Invoice/cbc:IssueDate*

Data Type: cbc:IssueDateType

Cardinality: 1..1

Usage: The date the invoice was issued. format: yyyy-MM-dd(+/-)hh:mm

EN 16931-ID: BT-2

Example 2019-03-26+01:00

### cbc:InvoiceTypeCode

Invoice type, code

Status: **R**

Path: *Invoice/cbc:InvoiceTypeCode*

Data Type: cbc:InvoiceTypeCodeType

Length: 1 ... 3

Cardinality: 1..1

Remark: 380 : Commercial invoice

381 : Credit notification

**For incoming invoices BMW process only the codes 380 and 381.**

**For credit notes all amounts must be negative.**

EN 16931-ID: BT-3

Example 380, 381

**Codelist:** UNTDID 1001 (restricted)

Allowed codes:	Code	Codename
	380	Commercial invoice
	381	Credit note

### cbc:Note

Free text on header / document level

Status: **O**

Path: *Invoice/cbc:Note*

Data Type: cbc:NoteType

Cardinality: 0..1

Usage: A text note that contains unstructured information that is relevant to the invoice as a whole. If necessary can provide information on the duty of retention in accordance with section 14 (4) UStG are included here.

Note: In the case of an invoice that has already been invoiced, the note can include the reason for the correction.

EN 16931-ID: BT-22

Example As confirmed by Jon Doe. Allowances will be applied later.

### cbc:DocumentCurrencyCode

Invoice currency (code)

Status: **R**

Path: *Invoice/cbc:DocumentCurrencyCode*

Data Type: cbc:DocumentCurrencyCodeType

Cardinality: 1..1

Usage: The valid currencies are registered with ISO 4217 „Codes for the representation of currencies and funds“

EN 16931-ID: BT-5

Example EUR

## Details - XRechnung UBL 2.1 schema

<b>cbc:BuyerReference</b>	Buyer reference
Status: <b>R</b>	
Path: <i>Invoice/cbc:BuyerReference</i>	
Data Type: cbc:BuyerReferenceType	
Cardinality: 1..1	
Usage: An identifier assigned by the Buyer used for internal routing purposes. An invoice must have buyer reference or purchase order reference (BT-13).	
EN 16931-ID: BT-10	
Example abc123	
<b>cac:InvoicePeriod</b>	Details on billing specified period
Status: <b>D</b>	
Path: <i>Invoice/cac:InvoicePeriod</i>	
Data Type: cac:PeriodType	
Cardinality: 0..n	
Usage: If delivery date is specified, this section can be omitted. If the invoice refers to a period from/to it should be indicated.	
EN 16931-ID: BG-14	
<b>cbc:StartDate</b>	Start of the billing period, date
Status: <b>R</b>	
Path: <i>Invoice/cac:InvoicePeriod/cbc:StartDate</i>	
Data Type: cbc:StartDateType	
Cardinality: 1..1	
Usage: format: yyyy-MM-dd(+/-)hh:mm	
EN 16931-ID: BT-73	
Example 2020-01-01+00:00	
<b>cbc:EndDate</b>	End of the billing period, date
Status: <b>R</b>	
Path: <i>Invoice/cac:InvoicePeriod/cbc:EndDate</i>	
Data Type: cbc:EndDateType	
Cardinality: 1..1	
Usage: format: yyyy-MM-dd(+/-)hh:mm	
EN 16931-ID: BT-74	
Example 2020-01-31+00:00	
<b>cac:OrderReference</b>	Details on corresponding order
Status: <b>A</b>	
Path: <i>Invoice/cac:OrderReference</i>	
Data Type: cac:OrderReferenceType	
Cardinality: 0..1	

## Details - XRechnung UBL 2.1 schema

### cbc:ID

BMW order number

Status: **R**  
 Path: *Invoice/cac:OrderReference/cbc:ID*  
 Data Type: cbc:IDType  
 Length: 1 ... 16  
 Synonym: Order reference  
 Cardinality: 1..1  
 Usage: Please send the BMW order number only. Don't send additional text like "F37PNPF from 01.01.2019" etc. For BMW Company Code A1, MU and B7 the order number must match one of these formats:  
 a) 10 characters numeric  
 b) 7 characters numeric  
 c) 7 characters alphanumeric  
 For different BMW Company Codes like C5 and S5 there is no special requirement. The order number is needed to process the invoice automated on BMW side. As alternative you can also send the delivery note number or both.

EN 16931-ID: BT-13

Example F37PNPF

### cbc:IssueDate

Order date

Status: **O**  
 Path: *Invoice/cac:OrderReference/cbc:IssueDate*  
 Data Type: cbc:IssueDateType  
 Cardinality: 0..1  
 Usage: format: yyyy-MM-dd(+/-)hh:mm  
 Example 2020-01-01+00:00

### cac:BillingReference

Path: *Invoice/cac:BillingReference*  
 Data Type: cac:BillingReferenceType  
 Cardinality: 0..n

### cac:InvoiceDocumentReference

Details on referenced invoice

Status: **O**  
 Path: *Invoice/cac:BillingReference/cac:InvoiceDocumentReference*  
 Data Type: cac:DocumentReferenceType  
 Cardinality: 0..1  
 Remark: To be used if:  
 - a previous invoice is corrected;  
 - reference from a final invoice to previous partial invoices;  
 - reference is made to a previous invoice for prepayments from a final invoice.

EN 16931-ID: BG-3

Note: previous invoice number, original invoice number

### cbc:ID

Preceding Invoice number

Status: **R**  
 Path: *Invoice/cac:BillingReference/cac:InvoiceDocumentReference/cbc:ID*  
 Data Type: cbc:IDType  
 Synonym: previous , original invoice number  
 Cardinality: 1..1  
 EN 16931-ID: BT-25  
 Example F111N22

## Details - XRechnung UBL 2.1 schema

<b>cac:AdditionalDocumentReference</b>	Additional Documents
<p>Status: <b>O</b></p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference</i></p> <p>Data Type: <i>cac:DocumentReferenceType</i></p> <p>Synonym: Attachment</p> <p>Cardinality: 0..n</p> <p>Usage: Details on additional referenced document</p> <p>EN 16931-ID: BG-24</p>	
<b>cbc:ID</b>	Supporting Document Reference
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cbc:ID</i></p> <p>Data Type: <i>cbc:IDType</i></p> <p>Synonym: Document number</p> <p>Cardinality: 1..1</p> <p>Usage: File name, invoice number etc.</p> <p>EN 16931-ID: BT-17, BT-18, BT-122</p> <p>Example 7412B123456789</p>	
<b>cac:Attachment</b>	Attachment
<p>Status: <b>O</b></p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cac:Attachment</i></p> <p>Data Type: <i>cac:AttachmentType</i></p> <p>Cardinality: 0..1</p> <p>EN 16931-ID: BT-125</p>	
<b>cbc:EmbeddedDocumentBinaryObject</b>	Document as encoded base64 string
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cac:Attachment/cbc:EmbeddedDocumentBinaryObject</i></p> <p>Data Type: <i>cbc:EmbeddedDocumentBinaryObjectType</i></p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-125</p> <p>Example JVBERi0xLjcNC.....</p>	
<b>mimeCode</b>	MIME Code, attribute
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cac:Attachment/cbc:EmbeddedDocumentBinaryObject/@mimeCode</i></p> <p>Data Type: <i>xs:normalizedString</i></p> <p>Use: required</p> <p>EN 16931-ID: BT-125</p> <p>Example application/pdf</p>	
<b>filename</b>	File name, attribute
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cac:Attachment/cbc:EmbeddedDocumentBinaryObject/@filename</i></p> <p>Data Type: <i>xs:string</i></p> <p>Use: required</p> <p>EN 16931-ID: BT-125</p> <p>Example SND_OT2408675-7c5c-4733-bbfa-d842251f4cde.pdf</p>	

## Details - XRechnung UBL 2.1 schema

<b>cac:AccountingSupplierParty</b>	<b>Seller</b>
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty</i></p> <p>Data Type: <i>cac:SupplierPartyType</i></p> <p>Synonym: Supplier</p> <p>Cardinality: 1..1</p> <p>Usage: The seller (=taxable person) is, by default, also the invoice issuer, the originator of the invoice, the supplier and the payee. If some of these roles have been transferred to other people, these must be defined separately.</p>	
EN 16931-ID: BG-4	
<b>cac:Party</b>	
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party</i></p> <p>Data Type: <i>cac:PartyType</i></p> <p>Cardinality: 1..1</p>	
<b>cbc:EndpointID</b>	<b>Supplier ID - PEPPOL Network ID</b>
<p>Status: <b>D</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cbc:EndpointID</i></p> <p>Data Type: <i>cbc:EndpointIDType</i></p> <p>Synonym: Supplier identification for PEPPOL Network</p> <p>Cardinality: 0..1</p> <p>Usage: If the supplier sends their invoices via the PEPPOL network they must fill this ID. If the supplier sends their invoice via a direct connect they don't fill this ID</p> <p>Example DE123456789</p>	
<b>schemeID</b>	<b>Supplier ID, country code - PEPPOL Network ID</b>
<p>Status: <b>D</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cbc:EndpointID/@schemeID</i></p> <p>Data Type: <i>xs:normalizedString</i></p> <p>Synonym: Supplier identification for PEPPOL Network</p> <p>Usage: If the supplier sends their invoices via the PEPPOL network, they must fill this attribute. If the supplier sends their invoice via a direct connect, they don't fill this attribute</p> <p>Use: required</p> <p>Example 9930</p>	
<b>cac:PartyIdentification</b>	
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyIdentification</i></p> <p>Data Type: <i>cac:PartyIdentificationType</i></p> <p>Cardinality: 1..1</p>	
<b>cbc:ID</b>	<b>BMW supplier/seller number</b>
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyIdentification/cbc:ID</i></p> <p>Data Type: <i>cbc:IDType</i></p> <p>Length: 1 ... 8</p> <p>Synonym: Supplier identification assigned by the customer</p> <p>Cardinality: 1..1</p> <p>Usage: The supplier's / seller's ID is a unique identifier assigned to the supplier/seller by BMW and agreed on a bilateral basis. <b>Please send the BMW supplier number without "space", "minus" etc.</b></p> <p>EN 16931-ID: BT-29</p> <p>Note: The BMW supplier number must be sent</p> <p>Example 12345678</p>	

## Details - XRechnung UBL 2.1 schema

<b>cac:PartyName</b>	<p>Status: <b>R</b>  Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyName</i>  Data Type: <i>cac:PartyNameType</i>  Cardinality: 1..n</p>	
<b>cbc:Name</b>	<p>Status: <b>R</b>  Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyName/cbc:Name</i>  Data Type: <i>cbc:NameType</i>  Length: 1 ... 70  Cardinality: 1..1  EN 16931-ID: BT-27</p> <p>Note: The complete and official name under which the seller is registered in the national legal entity register or as a taxable person or otherwise acts as a person (s)</p> <p>Example Lieferant GmbH</p>	Company name of the supplier / seller
<b>cac:PostalAddress</b>	<p>Status: <b>R</b>  Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress</i>  Data Type: <i>cac:AddressType</i>  Cardinality: 1..1  EN 16931-ID: BG-5</p>	Complete address of the supplier / seller
<b>cbc:Postbox</b>	<p>Status: <b>O</b>  Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:Postbox</i>  Data Type: <i>cbc:PostboxType</i>  Length: 1 ... 17  Cardinality: 0..1  Example 13629</p>	Post box, supplier / seller
<b>cbc:StreetName</b>	<p>Status: <b>R</b>  Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:StreetName</i>  Data Type: <i>cbc:StreetNameType</i>  Length: 1 ... 35  Cardinality: 1..1</p> <p>Usage: Indication of street or postal box.</p> <p>EN 16931-ID: BT-35</p> <p>Example Lieferantenstraße 20</p>	Street , part 1
<b>cbc:AdditionalStreetName</b>	<p>Status: <b>O</b>  Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:AdditionalStreetName</i>  Data Type: <i>cbc:AdditionalStreetNameType</i>  Length: 1 ... 35  Cardinality: 0..1</p> <p>Usage: If street, part 1 exceed 35 characters, please use part 2 for character 36-70</p> <p>EN 16931-ID: BT-36</p> <p>Example Haus 1</p>	Street , part 2



## Details - XRechnung UBL 2.1 schema

cbc:CityName	City
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:CityName</i></p> <p>Data Type: cbc:CityNameType</p> <p>Length: 1 ... 35</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-37</p> <p>Example Berlin</p>	
cbc:PostalZone	Postcode, supplier / seller
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:PostalZone</i></p> <p>Data Type: cbc:PostalZoneType</p> <p>Length: 1 ... 17</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-38</p> <p>Example 13629</p>	
cac:Country	Country
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:Country</i></p> <p>Data Type: cac:CountryType</p> <p>Cardinality: 1..1</p>	
cbc:IdentificationCode	Country code, supplier / seller
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:Country/cbc:IdentificationCode</i></p> <p>Data Type: cbc:IdentificationCodeType</p> <p>Cardinality: 1..1</p> <p>Usage: Use ISO3166 two alpha codelist</p> <p>EN 16931-ID: BT-40</p> <p>Example DE</p>	
cac:PartyTaxScheme	Tax registration details
<p>Status: <b>A</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyTaxScheme</i></p> <p>Data Type: cac:PartyTaxSchemeType</p> <p>Cardinality: 0..n</p>	
cbc:CompanyID	(Local) tax Id VAT Id
<p>Status: <b>D</b> <b>R</b></p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyTaxScheme/cbc:CompanyID</i></p> <p>Data Type: cbc:CompanyIDType</p> <p>Length: 1 ... 35</p> <p>Cardinality: 0..1</p> <p>Usage: In case of Seller's country code belongs to European Union (EU), Seller's VAT Registration Number is mandatory and Seller's Fiscal Number is optional for most of the EU countries. In case of Seller's country code does not belong to European Union (EU), both Seller's VAT Registration Number and Seller's Fiscal Number are optional. But maybe some different Id and based on the country specific laws becomes mandatory. Example: Canada: GST/HST registration number of the supplier Australia: Australian business number (ABN) of the supplier</p> <p>EN 16931-ID: BT-31, BT-32</p> <p>Example 201/113/40209 DE234567891</p>	

## Details - XRechnung UBL 2.1 schema

<b>cac:TaxScheme</b>	
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyTaxScheme/cac:TaxScheme</i>	
Data Type: <i>cac:TaxSchemeType</i>	
Cardinality: 1..1	
<b>cbc:ID</b>	Type of tax identifier
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyTaxScheme/cac:TaxScheme/cbc:ID</i>	
Data Type: <i>cbc:IDType</i>	
Synonym: tax Id, VAT Id	
Cardinality: 1..1	
Usage: TAX = Supplier / Seller Tax Number (BT-32) VAT = Supplier / Seller VAT ID (BT-31)	
EN 16931-ID: BT-31-0, BT-32-0	
Example VAT	
<b>Codelist:</b> UNTDID 1153	
<b>Allowed codes:</b> Code Codename	
TAX	
VAT	
<b>cac:PartyLegalEntity</b>	
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity</i>	
Data Type: <i>cac:PartyLegalEntityType</i>	
Cardinality: 1..n	
<b>cbc:RegistrationName</b>	Company name of the supplier / seller
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity/cbc:RegistrationName</i>	
Data Type: <i>cbc:RegistrationNameType</i>	
Length: 1 ... 70	
Cardinality: 1..1	
EN 16931-ID: BT-28	
Example Lieferant GmbH	
<b>cbc:CompanyID</b>	Trade register number and legal seat of the supplier / seller
Status: <b>D</b>	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity/cbc:CompanyID</i>	
Data Type: <i>cbc:CompanyIDType</i>	
Length: 1 ... 60	
Synonym: Company/place registration number and legal seat	
Cardinality: 0..1	
EN 16931-ID: BT-30	
Example Berlin, HRB 123456	

## Details - XRechnung UBL 2.1 schema

### cbc:CompanyLegalForm

Regulatory information

Status: **D**

Path: *Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity/cbc:CompanyLegalForm*

Data Type: cbc:CompanyLegalFormType

Cardinality: 0..1

Usage: Used for information required by legislation (e.g. members of the board etc.).  
Dependent on your legal form you have to send this information:

EN 16931-ID: BT-33

Example sample for legal form „S.A.“

chairman of supervisory board: Max Mustermann ; management board: Harald Muster  
chairman: Erika

Sample ; tax id: 123/456/78901 ; legal seat: München ; trade register: HRB12345

Ingolstadt ; VATID:

DE123456789 ; Tel: 089 / 123 45678 ; www.seller.com

sample for legal form "GmbH", "GmbH & Co. KG", "UG"

CEO: Harald Muster, Erika Sample ; tax id: 123/456/78901 ; legal seat: München ; trade  
register:

HRB12345. Ingolstadt ; VATID: DE123456789 ; Tel: 089 / 123 45678 ; www.seller.com

### cac:Contact

Contact person of the supplier / seller

Status: **R**

Path: *Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact*

Data Type: cac:ContactType

Cardinality: 1..1

EN 16931-ID: BG-6

Example The group "SELLER CONTACT" (BG-6) must be transmitted.

### cbc:Name

Contact person of the supplier / seller

Status: **R**

Path: *Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:Name*

Data Type: cbc:NameType

Length: 1 ... 35

Cardinality: 1..1

EN 16931-ID: BT-41

Example Karin Mustermann

### cbc:Telephone

Telephone number of the supplier / seller

Status: **R**

Path: *Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:Telephone*

Data Type: cbc:TelephoneType

Length: 1 ... 20

Cardinality: 1..1

Usage: Usage of an international format is advised.

EN 16931-ID: BT-42

Example +49 (123) 555222555

### cbc:Telefax

Telefax number of the supplier / seller

Status: **O**

Path: *Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:Telefax*

Data Type: cbc:TelefaxType

Length: 1 ... 20

Cardinality: 0..1

Example +49 (123) 11112222

## Details - XRechnung UBL 2.1 schema

<b>cbc:ElectronicMail</b>	Email address of the supplier / seller
Status: <b>R</b> Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:ElectronicMail</i> Data Type: cbc:ElectronicMailType Length: 1 ... 100 Cardinality: 1..1 EN 16931-ID: BT-43 Example <i>karin.mustermann@seller.de</i>	
<b>cbc:Note</b>	Contact informaton - free text
Status: <b>O</b> Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:Note</i> Data Type: cbc:NoteType Cardinality: 0..n Example <i>Order from 8:00 am - 6:00 pm</i>	
<b>cac:Person</b>	
Status: <b>O</b> Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person</i> Data Type: cac:PersonType Cardinality: 0..n	
<b>cbc:FirstName</b>	First name contact person of the supplier / seller
Status: <b>O</b> Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person/cbc:FirstName</i> Data Type: cbc:FirstNameType Length: 1 ... 35 Cardinality: 0..1 Example <i>Karin</i>	
<b>cbc:FamilyName</b>	Family name contact person of the supplier / seller
Status: <b>O</b> Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person/cbc:FamilyName</i> Data Type: cbc:FamilyNameType Length: 1 ... 35 Synonym: Last name Cardinality: 0..1 Example <i>Mustermann</i>	
<b>cac:AccountingCustomerParty</b>	Buyer
Status: <b>R</b> Path: <i>Invoice/cac:AccountingCustomerParty</i> Data Type: cac:CustomerPartyType Synonym: Invoice recipient, service recipient Cardinality: 1..1 Usage: The buyer (=customer) is, by default, also the ship-to-party, the invoicee and the payee. If some of these roles have been transferred to other people, these must be defined separately. EN 16931-ID: BG-7	
<b>cac:Party</b>	
Status: <b>R</b> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party</i> Data Type: cac:PartyType Cardinality: 1..1	

## Details - XRechnung UBL 2.1 schema

### cbc:EndpointID

Buyer ID - PEPPOL Network ID

Status: **D**  
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cbc:EndpointID*  
 Data Type: cbc:EndpointIDType  
 Synonym: Customer identification for PEPPOL Network  
 Cardinality: 0..1  
 Usage: If the supplier sends their invoices via the PEPPOL network they must fill this ID.  
 If the supplier sends their invoice via a direct connect they don't fill this ID  
 Example DE129273398

### schemeID

Buyer ID, country code - PEPPOL Network ID

Status: **D**  
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cbc:EndpointID/@schemeID*  
 Data Type: xs:normalizedString  
 Synonym: Customer identification for PEPPOL Network  
 Usage: If the supplier sends their invoices via the PEPPOL network, they must fill this attribute.  
 If the supplier sends their invoice via a direct connect, they don't fill this attribute  
 Use: optional  
 Example 9930

### cac:PartyIdentification

Status: **R**  
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyIdentification*  
 Data Type: cac:PartyIdentificationType  
 Cardinality: 1..1

### cbc:ID

BMW Company Code

Status: **R**  
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyIdentification/cbc:ID*  
 Data Type: cbc:IDType  
 Length: 2 ... 2  
 Cardinality: 1..1  
 Usage: Code to identify the correct BMW company and assigned from BMW  
 EN 16931-ID: BT-46  
 Example A1  
**Codelist:**

Allowed codes:	Code	Codename
	A1	BMW AG
	B7	BMW Fahrzeugtechnik GmbH
	C5	BMW Motoren GmbH
	FE	Rolls-Royce Motor Cars GmbH
	LG	Rolls-Royce Motor Cars Limited
	MU	BMW (UK) Manufacturing Ltd.
	RK	BMW Mobility Development Center s.r.o.
	S5	BMW Österreich Holding GmbH
	U0	BMW Hams Hall Motoren GmbH
	UH	BMW Manufact Hungary Kft

### cac:PartyName

Status: **R**  
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyName*  
 Data Type: cac:PartyNameType  
 Cardinality: 1..n

## Details - XRechnung UBL 2.1 schema

cbc:Name	BMW company name
Status: <b>R</b> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyName/cbc:Name</i> Data Type: cbc:NameType Length: 1 ... 70 Cardinality: 1..1 EN 16931-ID: BT-44 Example BMW AG	
cac:PostalAddress	Complete address of the buyer
Status: <b>R</b> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress</i> Data Type: cac:AddressType Cardinality: 1..1 EN 16931-ID: BG-8	
cbc:StreetName	Street , part 1
Status: <b>R</b> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:StreetName</i> Data Type: cbc:StreetNameType Length: 1 ... 35 Cardinality: 1..1 Usage: If address is a postbox address please send "Postfach", "Accounting", Rechnungsprüfung", "Kreditorenbuchhaltung" as street EN 16931-ID: BT-50 Example Petuelring 130	
cbc:AdditionalStreetName	Street , part 2
Status: <b>O</b> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:AdditionalStreetName</i> Data Type: cbc:AdditionalStreetNameType Length: 1 ... 35 Cardinality: 0..1 Usage: If street, part 1 exceed 35 characters, please use part 2 for character 36-70 EN 16931-ID: BT-51 Example Werk 1, Tor 10	
cbc:CityName	City
Status: <b>R</b> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:CityName</i> Data Type: cbc:CityNameType Length: 1 ... 35 Cardinality: 1..1 EN 16931-ID: BT-52 Example München	
cbc:PostalZone	Postcode, buyer
Status: <b>R</b> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:PostalZone</i> Data Type: cbc:PostalZoneType Length: 1 ... 17 Cardinality: 1..1 EN 16931-ID: BT-53 Example 80788	

## Details - XRechnung UBL 2.1 schema

<b>cac:Country</b>	Country
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cac:Country</i>	
Data Type: <i>cac:CountryType</i>	
Cardinality: 1..1	
<b>cbc:IdentificationCode</b>	Country code, buyer
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cac:Country/cbc:IdentificationCode</i>	
Data Type: <i>cbc:IdentificationCodeType</i>	
Cardinality: 1..1	
Usage: Use ISO3166 two alpha codelist	
EN 16931-ID: BT-55	
Example DE	
<b>cac:PartyTaxScheme</b>	Tax registration details
Status: <b>A</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyTaxScheme</i>	
Data Type: <i>cac:PartyTaxSchemeType</i>	
Cardinality: 0..n	
<b>cbc:CompanyID</b>	VAT Id, buyer (Local) tax Id, buyer
Status: <b>D</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyTaxScheme/cbc:CompanyID</i>	
Data Type: <i>cbc:CompanyIDType</i>	
Cardinality: 0..1	
Usage: An invoice that contains the sales tax category code "AE" MUST contain the sales tax identification numbers (VAT ID) of the seller (service provider) AND the buyer (service recipient).	
EN 16931-ID: BT-48	
Example DE234567780 201/123/12340	
<b>cac:TaxScheme</b>	
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyTaxScheme/cac:TaxScheme</i>	
Data Type: <i>cac:TaxSchemeType</i>	
Cardinality: 1..1	
<b>cbc:ID</b>	Type of tax identifier
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyTaxScheme/cac:TaxScheme/cbc:ID</i>	
Data Type: <i>cbc:IDType</i>	
Synonym: tax Id, VAT Id	
Cardinality: 1..1	
Usage: VAT = Buyer VAT ID TAX = Buyer Tax Number	
Example VAT	
<b>Codelist:</b>	
<b>Allowed codes:</b> Code Codename	
TAX	
VAT	

## Details - XRechnung UBL 2.1 schema

<b>cac:PartyLegalEntity</b>	
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyLegalEntity</i>	
Data Type: cac:PartyLegalEntityType	
Cardinality: 1..n	
<b>cbc:RegistrationName</b>	Company name of the buyer
Status: <b>R</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyLegalEntity/cbc:RegistrationName</i>	
Data Type: cbc:RegistrationNameType	
Length: 1 ... 70	
Cardinality: 1..1	
EN 16931-ID: BT-44	
Example BMW AG	
<b>cbc:CompanyID</b>	Trade register number and legal seat of the buyer
Status: <b>O</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyLegalEntity/cbc:CompanyID</i>	
Data Type: cbc:CompanyIDType	
Length: 1 ... 60	
Synonym: Company/place registration number and legal seat	
Cardinality: 0..1	
Example München, HRB 42243	
<b>cac:Contact</b>	Contact person of the buyer
Status: <b>O</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact</i>	
Data Type: cac:ContactType	
Cardinality: 0..1	
EN 16931-ID: BG-9	
<b>cbc:Name</b>	Contact person of the buyer
Status: <b>O</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact/cbc:Name</i>	
Data Type: cbc:NameType	
Length: 1 ... 35	
Cardinality: 0..1	
EN 16931-ID: BT-56	
Example Karin Buyer	
<b>cbc:Telephone</b>	Telephone number of the buyer
Status: <b>O</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact/cbc:Telephone</i>	
Data Type: cbc:TelephoneType	
Length: 1 ... 20	
Cardinality: 0..1	
EN 16931-ID: BT-57	
Example +49 (123) 456789-0	
<b>cbc:Telefax</b>	Telefax number of the buyer
Status: <b>O</b>	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact/cbc:Telefax</i>	
Data Type: cbc:TelefaxType	
Length: 1 ... 20	
Cardinality: 0..1	
Example +49 (123) 456789-1	



## Details - XRechnung UBL 2.1 schema

<b>cbc:ElectronicMail</b>	Email address of the buyer
Status: <span style="color: red;">O</span> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact/cbc:ElectronicMail</i> Data Type: cbc:ElectronicMailType Length: 1 ... 100 Cardinality: 0..1 EN 16931-ID: BT-58 Example byuemail@mail.de	
<b>cac:Person</b>	
Status: <span style="color: red;">O</span> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Person</i> Data Type: cac:PersonType Cardinality: 0..n	
<b>cbc:FirstName</b>	First name contact person of the buyer
Status: <span style="color: red;">O</span> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Person/cbc:FirstName</i> Data Type: cbc:FirstNameType Length: 1 ... 35 Cardinality: 0..1 Example Karin	
<b>cbc:FamilyName</b>	Family name contact person of the buyer
Status: <span style="color: red;">O</span> Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Person/cbc:FamilyName</i> Data Type: cbc:FamilyNameType Length: 1 ... 35 Synonym: Last name Cardinality: 0..1 Example Mustermann	
<b>cac:PayeeParty</b>	Payee
Status: <span style="color: red;">O</span> Path: <i>Invoice/cac:PayeeParty</i> Data Type: cac:PartyType Cardinality: 0..1 Usage: Party to whom a payment has to be made if different to supplier / seller EN 16931-ID: BG-10	
<b>cac:PartyIdentification</b>	
Status: <span style="color: red;">R</span> Path: <i>Invoice/cac:PayeeParty/cac:PartyIdentification</i> Data Type: cac:PartyIdentificationType Cardinality: 1..n	
<b>cbc:ID</b>	BMW payee (supplier/seller) number
Status: <span style="color: red;">R</span> Path: <i>Invoice/cac:PayeeParty/cac:PartyIdentification/cbc:ID</i> Data Type: cbc:IDType Synonym: Supplier identification assigned by the customer Cardinality: 1..1 Usage: The supplier's / seller's ID is a unique identifier assigned to the supplier/seller by BMW and agreed on a bilateral basis. EN 16931-ID: BT-60 Note: Bitte senden sie ihre BMW Lieferantenummer Example 12345678	

## Details - XRechnung UBL 2.1 schema

<b>cac:PartyName</b>	
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PartyName</i>	
Data Type: <i>cac:PartyNameType</i>	
Cardinality: 1..n	
<b>cbc:Name</b>	Company name of the payee
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PartyName/cbc:Name</i>	
Data Type: <i>cbc:NameType</i>	
Length: 1 ... 70	
Cardinality: 1..1	
EN 16931-ID: BT-59	
Example Payee GmbH	
<b>cac:PostalAddress</b>	Complete address of the payee
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress</i>	
Data Type: <i>cac:AddressType</i>	
Cardinality: 1..1	
<b>cbc:Postbox</b>	Post box, payee
Status: <b>O</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:Postbox</i>	
Data Type: <i>cbc:PostboxType</i>	
Cardinality: 0..1	
Example 13629	
<b>cbc:StreetName</b>	Street , part 1
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:StreetName</i>	
Data Type: <i>cbc:StreetNameType</i>	
Length: 1 ... 35	
Cardinality: 1..1	
Example Payestraße 20	
<b>cbc:AdditionalStreetName</b>	Street , part 2
Status: <b>O</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:AdditionalStreetName</i>	
Data Type: <i>cbc:AdditionalStreetNameType</i>	
Length: 1 ... 35	
Cardinality: 0..1	
Usage: If street, part 1 exceed 35 characters, please use part 2 for character 36-70	
Example Haus 1	
<b>cbc:CityName</b>	City
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:CityName</i>	
Data Type: <i>cbc:CityNameType</i>	
Length: 1 ... 35	
Cardinality: 1..1	
Example Berlin	
<b>cbc:PostalZone</b>	Postcode, payee
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:PostalZone</i>	
Data Type: <i>cbc:PostalZoneType</i>	
Length: 1 ... 17	
Cardinality: 1..1	
Example 13629	

## Details - XRechnung UBL 2.1 schema

<b>cac:Country</b>	Country
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cac:Country</i>	
Data Type: <i>cac:CountryType</i>	
Cardinality: 1..1	
<b>cbc:IdentificationCode</b>	Country code, payee
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cac:Country/cbc:IdentificationCode</i>	
Data Type: <i>cbc:IdentificationCodeType</i>	
Cardinality: 1..1	
Usage: Use ISO3166 two alpha codelist	
Example DE	
<b>cac:PartyTaxScheme</b>	Details on tax registration
Status: <b>O</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PartyTaxScheme</i>	
Data Type: <i>cac:PartyTaxSchemeType</i>	
Cardinality: 0..n	
<b>cbc:CompanyID</b>	VAT registration number, payee Tax registration number, payee
Status: <b>D</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PartyTaxScheme/cbc:CompanyID</i>	
Data Type: <i>cbc:CompanyIDType</i>	
Cardinality: 0..1	
EN 16931-ID: BT-61	
Example DE129273398 201/123/12340	
<b>cac:TaxScheme</b>	
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PartyTaxScheme/cac:TaxScheme</i>	
Data Type: <i>cac:TaxSchemeType</i>	
Cardinality: 1..1	
<b>cbc:ID</b>	Type of payee number , code
Status: <b>R</b>	
Path: <i>Invoice/cac:PayeeParty/cac:PartyTaxScheme/cac:TaxScheme/cbc:ID</i>	
Data Type: <i>cbc:IDType</i>	
Synonym: VAT Id (VAT)	
Cardinality: 1..1	
EN 16931-ID: BT-61	
Example VAT	
<b>Codelist:</b>	
<b>Allowed codes:</b>	<i>Code</i> <i>Codename</i>
	TAX
	VAT

## Details - XRechnung UBL 2.1 schema

<b>cac:TaxRepresentativeParty</b>	Seller tax representative
Status: <b>D</b> Path: <i>Invoice/cac:TaxRepresentativeParty</i> Data Type: <i>cac:PartyType</i> Synonym: Party declaring the Value Added Tax Cardinality: 0..1 Usage: A business partner who is not normally resident in a EU-Member State, or does not have a business establishment in that Member State and, in the case of a company, is not incorporated in that Member State, but makes taxable supplies of goods or services in that Member State, they are regarded as a non established taxable person. In such cases, the non established taxable person may appoint a VAT-registered tax representative, to maintain/preserve VAT records on his behalf and to make any required VAT declarations to the relevant tax authority. EN 16931-ID: BG-11 Note: The "Seller VAT identifier" (BT-31) element must be transmitted if the "Seller tax registration identifier" (BT-32) element or a "SELLER TAX REPRESENTATIVE PARTY" (BG-11). group have not been transmitted.	
<b>cac:PartyName</b>	
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyName</i> Data Type: <i>cac:PartyNameType</i> Cardinality: 1..n	
<b>cbc:Name</b>	Company name of the Tax representative
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyName/cbc:Name</i> Data Type: <i>cbc:NameType</i> Length: 1 ... 70 Cardinality: 1..1 EN 16931-ID: BT-62 Example Steuer GmbH	
<b>cac:PostalAddress</b>	Complete address of the Tax representative
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress</i> Data Type: <i>cac:AddressType</i> Cardinality: 1..1 EN 16931-ID: BG-12	
<b>cbc:Postbox</b>	Post box, Tax representative
Status: <b>O</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:Postbox</i> Data Type: <i>cbc:PostboxType</i> Length: 1 ... 17 Cardinality: 0..1 Example 13629	
<b>cbc:StreetName</b>	Street , part 1
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:StreetName</i> Data Type: <i>cbc:StreetNameType</i> Length: 1 ... 35 Cardinality: 1..1 Usage: Indication of street or postal box. EN 16931-ID: BT-64 Example Steuerstraße 20	

## Details - XRechnung UBL 2.1 schema

<b>cbc:AdditionalStreetName</b>	Street , part 2
Status: <b>O</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:AdditionalStreetName</i> Data Type: cbc:AdditionalStreetNameType Length: 1 ... 35 Cardinality: 0..1 Usage: If street, part 1 exceed 35 characters, please use part 2 for character 36-70 EN 16931-ID: BT-65 Example Haus 1	
<b>cbc:CityName</b>	City
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:CityName</i> Data Type: cbc:CityNameType Length: 1 ... 35 Cardinality: 1..1 EN 16931-ID: BT-66 Example Berlin	
<b>cbc:PostalZone</b>	Postcode
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:PostalZone</i> Data Type: cbc:PostalZoneType Length: 1 ... 17 Cardinality: 1..1 EN 16931-ID: BT-67 Example 13629	
<b>cac:Country</b>	
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cac:Country</i> Data Type: cac:CountryType Cardinality: 1..1	
<b>cbc:IdentificationCode</b>	Country code
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cac:Country/cbc:IdentificationCode</i> Data Type: cbc:IdentificationCodeType Cardinality: 1..1 Usage: Use ISO3166 two alpha codelist EN 16931-ID: BT-69 Example DE	
<b>cac:PartyTaxScheme</b>	Details on tax registration
Status: <b>R</b> Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyTaxScheme</i> Data Type: cac:PartyTaxSchemeType Cardinality: 1..n	

## Details - XRechnung UBL 2.1 schema

<b>cbc:CompanyID</b>	VAT registration number, tax representative Tax registration number, tax representative						
Status: <b>D</b> <b>D</b>							
Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyTaxScheme/cbc:CompanyID</i>							
Data Type: cbc:CompanyIDType							
Length: 1 ... 35							
Cardinality: 0..1							
EN 16931-ID: BT-63							
Example DE123456789 201/123/12340							
<b>cac:TaxScheme</b>							
Status: <b>R</b>							
Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyTaxScheme/cac:TaxScheme</i>							
Data Type: cac:TaxSchemeType							
Cardinality: 1..1							
<b>cbc:ID</b>	Type of number , code						
Status: <b>R</b>							
Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyTaxScheme/cac:TaxScheme/cbc:ID</i>							
Data Type: cbc:IDType							
Synonym: VAT Id (VAT), tax Id or fiscal number (TAX)							
Cardinality: 1..1							
Example VAT							
<b>Codelist:</b>							
<b>Allowed codes:</b>	<table><tr><td><i>Code</i></td><td><i>Codename</i></td></tr><tr><td>TAX</td><td></td></tr><tr><td>VAT</td><td></td></tr></table>	<i>Code</i>	<i>Codename</i>	TAX		VAT	
<i>Code</i>	<i>Codename</i>						
TAX							
VAT							
<b>cac:Delivery</b>	Ship To / Delivery						
Status: <b>D</b>							
Path: <i>Invoice/cac:Delivery</i>							
Data Type: cac:DeliveryType							
Cardinality: 0..n							
EN 16931-ID: BG-13							
<b>cbc:ID</b>	Delivery Note Number, document level						
Status: <b>A</b>							
Path: <i>Invoice/cac:Delivery/cbc:ID</i>							
Data Type: cbc:IDType							
Synonym: ASN							
Cardinality: 0..1							
EN 16931-ID: BT-16							
Example SIPS80081334790							
<b>cbc:ActualDeliveryDate</b>	Delivery Note Date, document						
Status: <b>O</b>							
Path: <i>Invoice/cac:Delivery/cbc:ActualDeliveryDate</i>							
Data Type: cbc:ActualDeliveryDateType							
Synonym: Delivery Date, date of supply							
Cardinality: 0..1							
Usage: format: yyyy-MM-dd(+/-)hh:mm							
EN 16931-ID: BT-72							
Example 2020-01-01+00:00							

## Details - XRechnung UBL 2.1 schema

### cac:DeliveryLocation

Complete address of the delivery location

Status: **D**

Path: *Invoice/cac:Delivery/cac:DeliveryLocation*

Data Type: cac:LocationType

Cardinality: 0..1

EN 16931-ID: BG-15

### cbc:ID

BMW Business Area Code

Status: **D**

Path: *Invoice/cac:Delivery/cac:DeliveryLocation/cbc:ID*

Data Type: cbc:IDType

Synonym: branch, dealer

Cardinality: 0..1

Usage: IF AccountingCustomerParty - Party - PartyIdentification – ID = "A1" then Delivery - DeliveryLocation– ID is required / mandatory.

For all other BMW Company Codes like B7, C5, FE, LG, MU, RK, S5 ,UH, U0 etc. the BMW Business Area code is optional.

Default Code for all BMW plants is A1.

If the buyer is a dealer or branch (corresponding to your BMW order form) you must use one of the codes from theodelist.

EN 16931-ID: BT-71

Example LX

#### Codelist:

Allowed codes:	Code	Codename
	A1	BMW AG head office, all plants and divisions
	BC	BMW Classic
	BX	Niederlassung/Branch Berlin
	DG	Servicezentrum/Servicecenter Dingolfing
	DX	Niederlassung/Branch Düsseldorf
	FX	Niederlassung/Branch Frankfurt
	HH	Niederlassung/Branch Hamburg
	HX	Niederlassung/Branch Hannover
	LX	Niederlassung/Branch Leipzig
	MX	Niederlassung/Branch München
	NG	Niederlassung/Branch Gesamt (PCO)
	NX	Niederlassung/Branch Nürnberg
	RX	Servicezentrum/Servicecenter Regensburg
	SX	Niederlassung/Branch Stuttgart
	XA	Alpenhotel Ammerwald

### cac:Address

Details on ship to address

Status: **A**

Path: *Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address*

Data Type: cac:AddressType

Cardinality: 0..1

EN 16931-ID: BG-15

## Details - XRechnung UBL 2.1 schema

### cbc:ID

BMW Business Unit Code

Status: **D**

Path: *Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:ID*

Data Type: cbc:IDType

Synonym: The code refers to the BMW Business Area Code

Cardinality: 0..1

Usage: The code is needed to identify the correct invoice recipient if the invoice recipient is a branch or car dealer

Remark: If BMW Business Area code in Delivery - DeliveryLocation - ID != „A1“ (like "LX") then BMW Business Unit Code in Delivery - DeliveryLocation - Address - ID is a MUST, else a CAN informaiton. For Area code = A1 it's not needed.

Note: ultimate customer reference number

Example LXA

#### Codelist:

Allowed codes:	Code	Codename
	BCA	BMW Classic Moosacher Str. 66
	BXA	Niederlassung Berlin Kaiserdamm 90 / Hauptbetrieb
	BXB	Niederlassung Berlin Gehringstrasse 20
	BXD	Niederlassung Berlin Kaiserdamm 90 / Mlni
	BXE	Niederlassung Berlin Blumberger Damm 2
	BXF	Niederlassung Berlin Kaiserdamm 90 / Motorrad Zentrum
	DGA	Servicezentrum Dingolfing Landshuter Str. 12
	DGB	Niederlassung Landshut Ohmstr. 2
	DGC	Niederlassung Dingolfing Karl-Dompert-Str. 7
	DGE	Niederlassung Dingolfing Landshuter Str. 12 / Motorrad Zentrum
	DGF	Niederlassung Moosthenning Gewerbefeld 4
	DXA	Niederlassung Düsseldorf Grafenberger Allee 277/258
	DXB	Niederlassung Düsseldorf Theodorstraße 279
	DXC	Niederlassung Düsseldorf BMW Motorradzentrum
	DXD	Niederlassung Bonn Vorgebirgsstrasse 95 / Hauptbetrieb
	DXE	Niederlassung Bonn Vorgebirgsstrasse 95 / Motorrad Zentrum
	DXF	Niederlassung Dortmund Nortkirchenstraße 111 / Hauptbetrieb
	DXG	Niederlassung Dortmund Nortkirchenstraße 111 / Motorrad Zentrum
	DXH	Niederlassung Essen Berthold-Beitz-Boulevard 508 / Hauptbetrieb und Gebr. Wagenzentrum
	DXK	Niederlassung Essen Berthold-Beitz-Boulevard 508 / Motorrad Zentrum
	FXA	Niederlassung Frankfurt Hanauer Landstraße 182/255
	FXB	Niederlassung Offenbach Spessarting 9
	FXC	Niederlassung Frankfurt Hanauer Landstr. 182
	FXD	Niederlassung Dreieich Gustav-Otto-Strasse 1 / Motorrad Zentrum
	FXE	Niederlassung Dreieich Gustav-Otto-Strasse 1 / Gebrauchtwagenzentrum
	FXF	Niederlassung Darmstadt Marburger Str. 22
	FXM	Niederlassung Kassel Scharnhorststrasse 14
	FXN	Niederlassung Kassel Scharnhorststrasse 14 / Motorrad Zentrum
	FXS	Niederlassung Frankfurt Hanauer Landstrasse 182
	HHa	Niederlassung Hamburg Offakamp 10 / Hauptbetrieb
	HHB	Niederlassung Hamburg Süderstrasse 133
	HHc	Niederlassung Hamburg Friedrich-Ebert-Damm 120
	HHd	Niederlassung Barsbüttel Rahlstedter Strasse 4-10
	HHe	Niederlassung Hamburg Osdorfer Landstrasse
	HHG	Niederlassung Hamburg Offakamp 10 / Motorrad Zentrum
	HHH	Niederlassung Hamburg Bergedorfer Strasse 68
	HXA	Niederlassung Hannover Lister Kirchweg 87
	HXB	Niederlassung Hannover Meelbaumstrasse 3
	HXC	Niederlassung Hannover Lissabonner Allee 3 / EXPOPark
	HXD	Niederlassung Hannover Lissabonner Allee 3 / Motorrad Zentrum
	HXE	Niederlassung Göttingen Herbert-Quandt-Strasse 8
	HXF	Niederlassung Bremen Borgwardstrasse 4 / Hauptbetrieb
	HXG	Niederlassung Bremen Borgwardstrasse 4 - 6 / Motorrad Zentrum



## Details - XRechnung UBL 2.1 schema

### Codelist:

Allowed codes: Code	Codename
LXA	Niederlassung Leipzig Zwickauer Strasse 55 / Hauptbetrieb
LXB	Niederlassung Leipzig Zwickauer Strasse 55 / Motorrad Zentrum
LXC	Niederlassung Leipzig BMW Allee 1
LXD	Niederlassung Chemnitz Röhrsdorfer Allee 3 / Hauptbetrieb
LXE	Niederlassung Chemnitz Röhrsdorfer Allee 3 / Motorrad Zentrum
LXF	Niederlassung Dresden Dohnaer Strasse 99 / Hauptbetrieb und Gebr. Wagenzentrum
LXG	Niederlassung Dresden Dohnaer Strasse 99 - 101 / Motorrad Zentrum
MXA	Niederlassung München Frankfurter Ring 35
MXB	Niederlassung Garching-Hochbrück Daimlerstrasse 21
MXD	Niederlassung München Riesenfeldstrasse 7
MXE	Niederlassung München Drygalski-Allee 35
MXF	Niederlassung München Werner-Heisenb
MXG	Niederlassung München Frankfurter Ring 35
MXH	Niederlassung München Nordallee 62
MXI	Niederlassung München Frankfurter Ring 29
MXK	Niederlassung Garching-Hochbrück Zeppelinstrasse 5
MXV	Niederlassung München Ingolstädter Straße 172
NXA	Niederlassung Nürnberg Witschelstrasse 60-62
NXB	Niederlassung Nürnberg Kilianstrasse 181
NXC	Niederlassung Nürnberg Witschelstrasse 60
NXE	Niederlassung Nürnberg Regensburger Strasse 420
NXS	Niederlassung Nürnberg Witschelstrasse 59
RXA	Servicezentrum Regensburg Herbert-Quandt-Allee
SXA	Niederlassung Stuttgart Untere Waldplätze 3
SXB	Niederlassung Stuttgart Pragstrasse 140
SXC	Niederlassung Stuttgart Pascalstr. 1
SXD	Niederlassung Mannheim Neckarauer Strasse 164
SXE	Niederlassung Mannheim Inselstrasse 2
SXG	Niederlassung Saarbrücken Am Halberg 6-7
SXH	Niederlassung Saarlouis Schanzenstrasse 20
SXK	Niederlassung Saarbrücken Am Halberg 6-7
SXL	Niederlassung Kirkel Konrad-Zuse-Str. 1
XA	Alpenhotel Ammerwald

#### cbc:StreetName

Ship To street , part 1

Status: **R**

Path: *Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:StreetName*

Data Type: cbc:StreetNameType

Length: 1 ... 35

Cardinality: 1..1

EN 16931-ID: BT-75

Example Knorrstraße 147

#### cbc:AdditionalStreetName

Line two

Status: **O**

Path: *Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:AdditionalStreetName*

Data Type: cbc:AdditionalStreetNameType

Cardinality: 0..1

EN 16931-ID: BT-76

Example Gebäude 3

## Details - XRechnung UBL 2.1 schema

<b>cbc:CityName</b>	City
Status: <b>R</b>	
Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:CityName</i>	
Data Type: cbc:CityNameType	
Length: 1 ... 35	
Cardinality: 1..1	
EN 16931-ID: BT-77	
Example München	
<b>cbc:PostalZone</b>	Postcode, buyer
Status: <b>R</b>	
Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:PostalZone</i>	
Data Type: cbc:PostalZoneType	
Length: 1 ... 17	
Cardinality: 1..1	
EN 16931-ID: BT-78	
Example 80788	
<b>cac:Country</b>	Country
Status: <b>R</b>	
Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cac:Country</i>	
Data Type: cac:CountryType	
Cardinality: 1..1	
<b>cbc:IdentificationCode</b>	Country code, ship to
Status: <b>R</b>	
Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cac:Country/cbc:IdentificationCode</i>	
Data Type: cbc:IdentificationCodeType	
Cardinality: 1..1	
Usage: Use ISO3166 two alpha codelist	
EN 16931-ID: BT-80	
Example DE	
<b>cac:DeliveryParty</b>	
Status: <b>O</b>	
Path: <i>Invoice/cac:Delivery/cac:DeliveryParty</i>	
Data Type: cac:PartyType	
Cardinality: 0..1	
<b>cac:PartyName</b>	
Status: <b>R</b>	
Path: <i>Invoice/cac:Delivery/cac:DeliveryParty/cac:PartyName</i>	
Data Type: cac:PartyNameType	
Cardinality: 1..n	
<b>cbc:Name</b>	Company Name, ship to
Status: <b>R</b>	
Path: <i>Invoice/cac:Delivery/cac:DeliveryParty/cac:PartyName/cbc:Name</i>	
Data Type: cbc:NameType	
Length: 1 ... 35	
Cardinality: 1..1	
EN 16931-ID: BT-70	
Example BMW AG, Werk 1	

## Details - XRechnung UBL 2.1 schema

<b>cac:PaymentMeans</b>	Details on payment means
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:PaymentMeans</i></p> <p>Data Type: <i>cac:PaymentMeansType</i></p> <p>Cardinality: 1..n</p> <p>EN 16931-ID: BG-16</p>	
<b>cbc:PaymentMeansCode</b>	Payment means, code
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:PaymentMeans/cbc:PaymentMeansCode</i></p> <p>Data Type: <i>cbc:PaymentMeansCodeType</i></p> <p>Length: 2 ... 3</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-81</p> <p>Note: Codelist UN/ECE 4461</p> <p>Example 30</p>	
<b>cbc:PaymentDueDate</b>	Payment due date
<p>Status: <b>D</b></p> <p>Path: <i>Invoice/cac:PaymentMeans/cbc:PaymentDueDate</i></p> <p>Data Type: <i>cbc:PaymentDueDateType</i></p> <p>Cardinality: 0..1</p> <p>Usage: format: yyyy-MM-dd(+/-)hh:mm Date when the payment is due in order to comply with the specified payment terms. If direct debit procedure is used, this data element contains the scheduled direct debit transaction date.</p> <p>EN 16931-ID: BT-9</p> <p>Example 2020-02-01+01:00</p>	
<b>cbc:InstructionNote</b>	Free text information on payment means
<p>Status: <b>D</b></p> <p>Path: <i>Invoice/cac:PaymentMeans/cbc:InstructionNote</i></p> <p>Data Type: <i>cbc:InstructionNoteType</i></p> <p>Cardinality: 0..n</p> <p>EN 16931-ID: BT-82</p> <p>Example per bank transfer</p>	
<b>cac:PayeeFinancialAccount</b>	Seller's bank account
<p>Status: <b>D</b></p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount</i></p> <p>Data Type: <i>cac:FinancialAccountType</i></p> <p>Cardinality: 0..1</p> <p>Remark: Information on one of the three groups "CREDIT TRANSFER" (BG-17), "PAYMENT CARD INFORMATION" (BG-18) or "DIRECT DEBIT" (BG-19) must be provided in the invoice.</p> <p>EN 16931-ID: BG-17</p>	
<b>cbc:ID</b>	IBAN, payee
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cbc:ID</i></p> <p>Data Type: <i>cbc:IDType</i></p> <p>Synonym: Payment account identifier</p> <p>Cardinality: 1..1</p> <p>Usage: IBAN / Account number at the financial institution where this account is held</p> <p>EN 16931-ID: BT-84</p> <p>Example DE12345678901234567890</p>	

## Details - XRechnung UBL 2.1 schema

<b>cbc:Name</b>	Name of account holder
<p>Status: <span style="color: red;">O</span></p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cbc:Name</i></p> <p>Data Type: cbc:NameType</p> <p>Length: 1 ... 60</p> <p>Synonym: Financial account name</p> <p>Cardinality: 0..1</p> <p>Usage: Name of the official account holder, as registered with a financial institution</p> <p>EN 16931-ID: BT-85</p>	
Example Lieferant GmbH	
<b>cac:FinancialInstitutionBranch</b>	Seller's financial institution
<p>Status: <span style="color: red;">D</span></p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch</i></p> <p>Data Type: cac:BranchType</p> <p>Cardinality: 0..1</p>	
<b>cbc:ID</b>	BIC, Bank identifier
<p>Status: <span style="color: red;">O</span></p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch/cbc:ID</i></p> <p>Data Type: cbc:IDType</p> <p>Synonym: SWIFT</p> <p>Cardinality: 0..1</p> <p>EN 16931-ID: BT-86</p> <p>Note: ID of the payment service provider</p>	
Example DEUTDEMMXXX	
<b>cbc:Name</b>	Bank name
<p>Status: <span style="color: red;">O</span></p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch/cbc:Name</i></p> <p>Data Type: cbc:NameType</p> <p>Length: 1 ... 60</p> <p>Cardinality: 0..1</p>	
Example Deutsche Bank München	
<b>cac:PaymentTerms</b>	Details on payment terms
<p>Status: <span style="color: red;">D</span></p> <p>Path: <i>Invoice/cac:PaymentTerms</i></p> <p>Data Type: cac:PaymentTermsType</p> <p>Cardinality: 0..n</p>	
<b>cbc:Note</b>	Payment terms, free text
<p>Status: <span style="color: red;">D</span></p> <p>Path: <i>Invoice/cac:PaymentTerms/cbc:Note</i></p> <p>Data Type: cbc:NoteType</p> <p>Cardinality: 0..n</p> <p>Usage: Free text, description of payment terms</p> <p>In France the information regarding early payment discount is mandatory.</p> <p>If not applicable, the French supplier needs to indicate on the invoice the wording "Escompte</p> <p>Néant " or "No Early Payment discount" (legal data - L 441-3 of the Commercial Code)</p> <p>EN 16931-ID: BT-20</p> <p>Example Payable within 30 days from date of invoice</p>	

## Details - XRechnung UBL 2.1 schema

### cac:PrepaidPayment

Status: **O**

Path: *Invoice/cac:PrepaidPayment*

Data Type: cac:PaymentType

Cardinality: 0..n

### cbc:PaidAmount

Prepaid amount

Status: **D**

Path: *Invoice/cac:PrepaidPayment/cbc:PaidAmount*

Data Type: cbc:PaidAmountType

Synonym: Down payment

Cardinality: 0..1

Usage: This field can be used for indication of received prepayments

EN 16931-ID: BT-113

Example 100

### currencyID

Currency (code)

Status: **R**

Path: *Invoice/cac:PrepaidPayment/cbc:PaidAmount/@currencyID*

Data Type: xs:normalizedString

Remark: ISO 4217 codelist

Use: required

Example EUR

### cac:AllowanceCharge

Allowances or charges on document / invoice level

Status: **O**

Path: *Invoice/cac:AllowanceCharge*

Data Type: cac:AllowanceChargeType

Cardinality: 0..n

Usage: This group has been added to ensure compatibility with the XRechnung. The EU norm 16931 allows these allowances and charges on Invoice level. In the operational business of the automotive industry this segment group shall not be used, especially not when sending invoices to an automotive company. Allowances and charges should be directly related to the price of materials or services. Only logistics costs are applicable (packaging, freight), which are booked onto a separate cost account. These charges are to be transmitted in LegalMonetaryTotal - AllowanceTotalAmount or ChargeTotalAmount

EN 16931-ID: BG-20, BG-21

### cbc:ChargeIndicator

Allowance or charge, code

Status: **R**

Path: *Invoice/cac:AllowanceCharge/cbc:ChargeIndicator*

Data Type: cbc:ChargeIndicatorType

Cardinality: 1..1

Usage: true = charge  
false = allowance

EN 16931-ID: BG-20-0, BG-21-0

Example false

## Details - XRechnung UBL 2.1 schema

### cbc:AllowanceChargeReasonCode

Reason for allowance or charge (Code)

Status: **O**

Path: *Invoice/cac:AllowanceCharge/cbc:AllowanceChargeReasonCode*

Data Type: cbc:AllowanceChargeReasonCodeType

Cardinality: 0..1

Remark: Use entries from the UNTDID 5189 code list. The code of the reason for the document level surcharge or discount and the reason for the document level surcharge or discount must be the same

**BMW can process only some codes from the codelist**

EN 16931-ID: BT-98, BT-105

Example FC

**Codelist:** UNTDID 7161 - charge, UNTDID 5189 - allowance

Allowed codes:	Code	Codename
	AAJ	Copper surcharge
	ABK	Miscellaneous
	ABM	Scrap surcharge
	ABO	Air freight transportation
	ABP	Carriage charge
	ABW	Customs duty charge
	ADR	Other services
	AG	Silver surcharge
	AL	Aluminium surcharge
	DI	Discount
	FC	Freight service
	FI	Financing

### cbc:AllowanceChargeReason

Allowance or charge, description free text

Status: **O**

Path: *Invoice/cac:AllowanceCharge/cbc:AllowanceChargeReason*

Data Type: cbc:AllowanceChargeReasonType

Cardinality: 0..n

EN 16931-ID: BT-97, BT-104

Note: Reason for allowance or charge (free text)

Example Fright costs

### cbc:Amount

Allowance or charge, monetary amount on document level

Status: **R**

Path: *Invoice/cac:AllowanceCharge/cbc:Amount*

Data Type: cbc:AmountType

Cardinality: 1..1

EN 16931-ID: BT-92, BT-99

Example 0.00

### currencyID

Currency (code)

Status: **O**

Path: *Invoice/cac:AllowanceCharge/cbc:Amount/@currencyID*

Data Type: xs:normalizedString

Remark: ISO 4217 codelist

Use: required

Example EUR

## Details - XRechnung UBL 2.1 schema

<b>cac:TaxTotal</b>	Grouping details on trade tax
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:TaxTotal</i></p> <p>Data Type: <i>cac:TaxTotalType</i></p> <p>Synonym: Tax rates and amounts</p> <p>Cardinality: 1..n</p> <p>Remark: An Invoice shall at least have one VAT breakdown group (BG-23).</p> <p>EN 16931-ID: BG-23</p>	
<b>cbc:TaxAmount</b>	Tax total amount
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:TaxTotal/cbc:TaxAmount</i></p> <p>Data Type: <i>cbc:TaxAmountType</i></p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-110</p>	
<b>currencyID</b>	Currency (code)
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:TaxTotal/cbc:TaxAmount/@currencyID</i></p> <p>Data Type: <i>xs:normalizedString</i></p> <p>Remark: ISO 4217 codelist</p> <p>Use: required</p> <p>Example EUR</p>	
<b>cac:TaxSubtotal</b>	Total taxable and tax amount per tax rate
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal</i></p> <p>Data Type: <i>cac:TaxSubtotalType</i></p> <p>Cardinality: 1..n</p> <p>Note: VAT breakdown</p>	
<b>cbc:TaxableAmount</b>	Total taxable amount per tax rate
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxableAmount</i></p> <p>Data Type: <i>cbc:TaxableAmountType</i></p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-116</p> <p>Example 2373.86</p>	
<b>currencyID</b>	Currency (code)
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxableAmount/@currencyID</i></p> <p>Data Type: <i>xs:normalizedString</i></p> <p>Remark: ISO 4217 codelist</p> <p>Use: required</p> <p>Example EUR</p>	
<b>cbc:TaxAmount</b>	Total tax amount per tax rate
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxAmount</i></p> <p>Data Type: <i>cbc:TaxAmountType</i></p> <p>Synonym: tax amount</p> <p>Cardinality: 1..1</p> <p>Usage: The total amount payable for the specific VAT category and rate</p> <p>EN 16931-ID: BT-117</p> <p>Example 451.03</p>	

## Details - XRechnung UBL 2.1 schema

### currencyID

Currency (code)

Status: **R**  
 Path: *Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxAmount/@currencyID*  
 Data Type: xs:normalizedString  
 Remark: ISO 4217 codelist  
 Use: required  
 Example EUR

### cac:TaxCategory

Status: **R**  
 Path: *Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory*  
 Data Type: cac:TaxCategoryType  
 Cardinality: 1..1

### cbc:ID

Tax category type, code

Status: **R**  
 Path: *Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:ID*  
 Data Type: cbc:IDType  
 Cardinality: 1..1

Usage: This code list contains codes referencing to the Sixth EU directive regarding tax exemption and special procedures. Under EU directive and national law, any exemption from tax has to be declared more detailed. There are several provisions in the directive, which allow exemption. In the European environment it is necessary to state this reason whenever the invoice issuer declares an invoice item or the whole invoice to be VAT exempt. If the tax is not value added tax, then here code S is used as default.  
 Codelist ISO 5305

EN 16931-ID: BT-118

Example S

**Codelist:** UNCL5305

Allowed codes:	Code	Codename
	A	Mixed tax rate
	AA	Lower rate
	AB	Exempt for resale
	AC	Value Added Tax (VAT) not now due for payment
	AD	Value Added Tax (VAT) due from a previous invoice
	AE	VAT Reverse Charge
	B	Transferred (VAT)
	C	Duty paid by supplier
	D	Value Added Tax (VAT) margin scheme - travel agents
	E	Exempt from tax
	F	Value Added Tax (VAT) margin scheme - second-hand goods
	G	Free export item, tax not charged
	H	Higher rate
	I	Value Added Tax (VAT) margin scheme - works of art Margin scheme — Works of art
	J	Value Added Tax (VAT) margin scheme - collector's items and antiques
	K	VAT exempt for EEA intra-community supply of goods and services
	L	Canary Islands general indirect tax
	M	Tax for production, services and importation in Ceuta and Melilla
	O	Services outside scope of tax
	S	Standard rate
	Z	Zero rated goods



## Details - XRechnung UBL 2.1 schema

<b>cbc:Percent</b>	The tax rate (numeric)						
Status: <b>R</b> Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Percent</i> Data Type: cbc:PercentType Synonym: Tax rate percentage Cardinality: 1..1 Usage: The value to be entered is the percentage. For example, the value 20 is given for 20% (and not 0.2) EN 16931-ID: BT-119 Example 19.00							
<b>cbc:TaxExemptionReason</b>	Reason for tax exempt, free text						
Status: <b>D</b> Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReason</i> Data Type: cbc:TaxExemptionReasonType Length: 1 ... 300 Cardinality: 0..n Usage: If the invoice is exempt from tax a reason is required EN 16931-ID: BT-120 Example Tax Exempt - Zero Tax Goods							
<b>cac:TaxScheme</b>							
Status: <b>R</b> Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme</i> Data Type: cac:TaxSchemeType Cardinality: 1..1							
<b>cbc:ID</b>	tax type, code						
Status: <b>R</b> Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:ID</i> Data Type: cbc:IDType Cardinality: 1..1 Usage: Fix value = "VAT" EN 16931-ID: BT-118-0 Example VAT <b>Codelist:</b> UNTDID 5153 <table><tr><td><b>Allowed codes:</b></td><td><i>Code</i></td><td><i>Codename</i></td></tr><tr><td></td><td>VAT</td><td>Value added tax</td></tr></table>		<b>Allowed codes:</b>	<i>Code</i>	<i>Codename</i>		VAT	Value added tax
<b>Allowed codes:</b>	<i>Code</i>	<i>Codename</i>					
	VAT	Value added tax					
<b>cac:LegalMonetaryTotal</b>	Detail of document totals						
Status: <b>R</b> Path: <i>Invoice/cac:LegalMonetaryTotal</i> Data Type: cac:MonetaryTotalType Cardinality: 1..1 EN 16931-ID: BG-22							
<b>cbc:LineExtensionAmount</b>	Line total amount, value						
Status: <b>R</b> Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:LineExtensionAmount</i> Data Type: cbc:LineExtensionAmountType Cardinality: 1..1 Usage: Sum of all invoice item net amounts on the invoice EN 16931-ID: BT-106 Example 2373.86							

## Details - XRechnung UBL 2.1 schema

<b>currencyID</b>	Currency (code)
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:LineExtensionAmount/@currencyID</i></p> <p>Data Type: xs:normalizedString</p> <p>Remark: ISO 4217 codelist</p> <p>Use: required</p> <p>Example EUR</p>	
<b>cbc:TaxExclusiveAmount</b>	Tax basis total amount, value
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:TaxExclusiveAmount</i></p> <p>Data Type: cbc:TaxExclusiveAmountType</p> <p>Synonym: total net amount</p> <p>Cardinality: 1..1</p> <p>Usage: Sum of line total amount + charge totals – allowance totals</p> <p>EN 16931-ID: BT-109</p> <p>Note: Invoice total amount without VAT</p> <p>Example 2373.86</p>	
<b>currencyID</b>	Currency (code)
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:TaxExclusiveAmount/@currencyID</i></p> <p>Data Type: xs:normalizedString</p> <p>Remark: ISO 4217 codelist</p> <p>Use: required</p> <p>Example EUR</p>	
<b>cbc:TaxInclusiveAmount</b>	Invoice total amount, value
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:TaxInclusiveAmount</i></p> <p>Data Type: cbc:TaxInclusiveAmountType</p> <p>Synonym: gross amount</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-112</p> <p>Note: The total amount of the invoice with tax</p> <p>Example 2824.89</p>	
<b>currencyID</b>	Currency (code)
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:TaxInclusiveAmount/@currencyID</i></p> <p>Data Type: xs:normalizedString</p> <p>Remark: ISO 4217 codelist</p> <p>Use: required</p> <p>Example EUR</p>	
<b>cbc:AllowanceTotalAmount</b>	Allowance total amount, value
<p>Status: <b>O</b></p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:AllowanceTotalAmount</i></p> <p>Data Type: cbc:AllowanceTotalAmountType</p> <p>Cardinality: 0..1</p> <p>Usage: Sum of all discounts / allowances defined on document level</p> <p>Remark: Discounts at item level are already included in the total item amounts, which are added together to obtain the total net amount of the items.</p> <p>EN 16931-ID: BT-107</p> <p>Example 0.00</p>	

## Details - XRechnung UBL 2.1 schema

<b>currencyID</b>	Currency (code)
Status: <b>R</b> Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:AllowanceTotalAmount/@currencyID</i> Data Type: xs:normalizedString Remark: ISO 4217 codelist Use: required Example EUR	
<b>cbc:ChargeTotalAmount</b>	Charge total amount, value
Status: <b>O</b> Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:ChargeTotalAmount</i> Data Type: cbc:ChargeTotalAmountType Cardinality: 0..1 Usage: Sum of charges defined on document level Remark: Surcharges for the item level are already included in the total item amounts, which are added together to obtain the total net amount of the items. EN 16931-ID: BT-108 Example 0.00	
<b>currencyID</b>	Currency (code)
Status: <b>R</b> Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:ChargeTotalAmount/@currencyID</i> Data Type: xs:normalizedString Remark: ISO 4217 codelist Use: required Example EUR	
<b>cbc:PrepaidAmount</b>	Prepaid amount
Status: <b>D</b> Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:PrepaidAmount</i> Data Type: cbc:PrepaidAmountType Synonym: Down payment Cardinality: 0..1 Usage: This field can be used for indication of received prepayments. EN 16931-ID: BT-113 Example 0.00	
<b>currencyID</b>	Currency (code)
Status: <b>R</b> Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:PrepaidAmount/@currencyID</i> Data Type: xs:normalizedString Remark: ISO 4217 codelist Use: required Example EUR	
<b>cbc:PayableAmount</b>	Due payable amount, value
Status: <b>R</b> Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:PayableAmount</i> Data Type: cbc:PayableAmountType Cardinality: 1..1 Usage: In the case of prepayments made, this amount may differ from the invoice total amount Remark: With prepayments it is different to the grand total. EN 16931-ID: BT-115 Example 2824.89	

## Details - XRechnung UBL 2.1 schema

<b>currencyID</b>	Currency (code)
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:PayableAmount/@currencyID</i></p> <p>Data Type: xs:normalizedString</p> <p>Remark: ISO 4217 codelist</p> <p>Use: required</p> <p>Example EUR</p>	
<b>cac:InvoiceLine</b>	Line item section
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:InvoiceLine</i></p> <p>Data Type: cac:InvoiceLineType</p> <p>Cardinality: 1..n</p> <p>EN 16931-ID: BG-25</p>	
<b>cbc:ID</b>	Line item identifier
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cbc:ID</i></p> <p>Data Type: cbc:IDType</p> <p>Length: 1 ... 5</p> <p>Cardinality: 1..1</p> <p>Usage: Sequential number generated by the sender to identify a line item within a message. It is recommended to start with value 1 and to increment by 1 for each new line.</p> <p>EN 16931-ID: BT-126</p> <p>Note: An unambiguous identifier for the respective position within the invoice</p> <p>Example 1</p>	
<b>cbc:Note</b>	Line item free text
<p>Status: <b>O</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cbc:Note</i></p> <p>Data Type: cbc:NoteType</p> <p>Length: 1 ... 250</p> <p>Cardinality: 0..n</p> <p>EN 16931-ID: BT-127</p> <p>Note: Details of free text relating to the item</p> <p>Example Item free text abcd</p>	
<b>cbc:InvoicedQuantity</b>	Invoiced quantity
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cbc:InvoicedQuantity</i></p> <p>Data Type: cbc:InvoicedQuantityType</p> <p>Synonym: Billed quantity</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-129</p> <p>Example 1.00</p>	
<b>unitCode</b>	unit of measure
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cbc:InvoicedQuantity/@unitCode</i></p> <p>Data Type: xs:normalizedString</p> <p>Length: 1 ... 3</p> <p>Usage: Code list UN/ECE Rec No 20 / 21</p> <p>Use: required</p> <p>Example C62</p>	

## Details - XRechnung UBL 2.1 schema

### cbc:LineExtensionAmount

Line item net amount

Status: **R**

Path: *Invoice/cac:InvoiceLine/cbc:LineExtensionAmount*

Data Type: cbc:LineExtensionAmountType

Synonym: Line total amount

Cardinality: 1..1

Usage: The line item amount is the total related to this line item. It includes rebates and additions but excludes payment discount and VAT. Calculation formula: Net price amount \* invoiced quantity = (invoiced quantity \* gross price) plus / minus allowances or charges.

EN 16931-ID: BT-131

Note: The line total amount is the net amount, including any additions and deductions without specifying the value-added tax.

Example 2373.86

### currencyID

Currency (code)

Status: **R**

Path: *Invoice/cac:InvoiceLine/cbc:LineExtensionAmount/@currencyID*

Data Type: xs:normalizedString

Remark: ISO 4217 codelist

Use: required

Example EUR

### cac:OrderLineReference

order number - line item level

Status: **A**

Path: *Invoice/cac:InvoiceLine/cac:OrderLineReference*

Data Type: cac:OrderLineReferenceType

Cardinality: 0..1

Note: Details on referenced order

### cbc:LineID

line item Order number

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:OrderLineReference/cbc:LineID*

Data Type: cbc:LineIDType

Length: 1 ... 5

Synonym: order item number

Cardinality: 1..1

Usage: identify a line item within an order message

EN 16931-ID: BT-132

Note: An identifier for a position within an order made by the buyer

Example 1

### cac:OrderReference

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:OrderLineReference/cac:OrderReference*

Data Type: cac:OrderReferenceType

Cardinality: 1..1

## Details - XRechnung UBL 2.1 schema

### cbc:ID

BMW order number

Status: **R**  
 Path: *Invoice/cac:InvoiceLine/cac:OrderLineReference/cac:OrderReference/cbc:ID*  
 Data Type: cbc:IDType  
 Length: 1 ... 16  
 Cardinality: 1..1  
 Usage: If different order numbers in different invoice lines are possible, please send the BMW Order number on InvoiceLine level. Otherwise send it on document level.  
 Please send the BMW order number only. Don't send additional text like "F37PNPF from 01.01.2019" etc.  
 The order number is needed to process the invoice automated on BMW side.  
 As alternative you can also send the delivery note number or both

Example F37PNPF

### cbc:IssueDate

order date

Status: **O**  
 Path: *Invoice/cac:InvoiceLine/cac:OrderLineReference/cac:OrderReference/cbc:IssueDate*  
 Data Type: cbc:IssueDateType  
 Cardinality: 0..1  
 Usage: format: yyyy-MM-dd(+/-)hh:mm  
 Example 2020-01-01+01:00

### cac:Delivery

Grouping on delivery information

Status: **D**  
 Path: *Invoice/cac:InvoiceLine/cac:Delivery*  
 Data Type: cac:DeliveryType  
 Cardinality: 0..n

### cbc:ID

Delivery note number, line item level

Status: **A**  
 Path: *Invoice/cac:InvoiceLine/cac:Delivery/cbc:ID*  
 Data Type: cbc:IDType  
 Synonym: ASN  
 Cardinality: 0..1  
 Usage: If different delivery note numbers in different invoice lines are possible, please send the delivery note number on InvoiceLine level. Otherwise send it on document level.  
 EN 16931-ID: BT-16  
 Example SIPS80012345678

### cbc:ActualDeliveryDate

Delivery note date, line item

Status: **O**  
 Path: *Invoice/cac:InvoiceLine/cac:Delivery/cbc:ActualDeliveryDate*  
 Data Type: cbc:ActualDeliveryDateType  
 Cardinality: 0..1  
 Usage: format: yyyy-MM-dd(+/-)hh:mm  
 Example 2020-01-10+01:00

### cac:DeliveryAddress

Details on the ship to

Status: **D**  
 Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress*  
 Data Type: cac:AddressType  
 Cardinality: 0..1

## Details - XRechnung UBL 2.1 schema

### cbc:ID

BMW Business Area Code - Line

Status: **D**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cbc:ID*

Data Type: cbc:IDType

Synonym: branch, dealer

Cardinality: 0..1

Usage: If different BMW Business Area codes per Line are possible, please use this field. Otherwise you can use the Delivery group on document level.

If AccountingCustomerParty - Party - PartyIdentification - ID = "A1" then Delivery - DeliveryLocation - ID (document level) or Delivery - DeliveryAddress - ID (line level) is required / mandatory. For all other BMW Company Codes like B7, C5, FE, LG, MU, RK, S5, UH, U0 etc. the BMW Business Area code is optional. Default Code for all BMW plants is A1. If the buyer is a dealer or branch (corresponding to your BMW order form) you must use one of the codes in the table.

EN 16931-ID: BT-71

Example A1

#### Codelist:

Allowed codes:	Code	Codename
	A1	BMW AG head office, all plants and divisions
	BC	BMW Classic
	BX	Niederlassung/Branch Berlin
	DG	Servicezentrum/Servicecenter Dingolfing
	DX	Niederlassung/Branch Düsseldorf
	FX	Niederlassung/Branch Frankfurt
	HH	Niederlassung/Branch Hamburg
	HX	Niederlassung/Branch Hannover
	LX	Niederlassung/Branch Leipzig
	MX	Niederlassung/Branch München
	NG	Niederlassung/Branch Gesamt (PCO)
	NX	Niederlassung/Branch Nürnberg
	RX	Servicezentrum/Servicecenter Regensburg
	SX	Niederlassung/Branch Stuttgart
	XA	Alpenhotel Ammerwald

### cbc:StreetName

Street

Status: **A**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cbc:StreetName*

Data Type: cbc:StreetNameType

Length: 1 ... 35

Cardinality: 0..1

Remark: Angabe der Strasse oder des Postfachs.

Example Knorrstraße 147

### cbc:CityName

City

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cbc:CityName*

Data Type: cbc:CityNameType

Length: 1 ... 35

Cardinality: 1..1

Example München

### cbc:PostalZone

Postcode, buyer

Status: **A**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cbc:PostalZone*

Data Type: cbc:PostalZoneType

Length: 1 ... 17

Cardinality: 0..1

Example 80788

## Details - XRechnung UBL 2.1 schema

### cac:Country

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cac:Country*

Data Type: cac:CountryType

Cardinality: 1..1

### cbc:IdentificationCode

Country code, ship to

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cac:Country/cbc:IdentificationCode*

Data Type: cbc:IdentificationCodeType

Length: 2 ... 2

Cardinality: 1..1

Usage: Identification of the name of the country or other geographical entity as defined in ISO 3166-1.

Example DE

### cac:DeliveryLocation

Details on the business Unit

Status: **D**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryLocation*

Data Type: cac:LocationType

Cardinality: 0..1

### cac:Address

Details on the business unit

Status: **D**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryLocation/cac:Address*

Data Type: cac:AddressType

Cardinality: 0..1

### cbc:ID

BMW Business Unit Code - Line

Status: **D**

Path: *Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:ID*

Data Type: cbc:IDType

Synonym: The code refers to the BMW Business Area Code

Cardinality: 0..1

Usage: The code is needed to identify the correct invoice recipient if the invoice recipient is a branch or car dealer

Remark: If BMW Business Area code in Delivery - DeliveryLocation - ID != „A1“ (like "LX") then BMW Business Unit Code in Delivery - DeliveryLocation - Address - ID is a MUST, else a CAN informaiton

Note: ultimate customer reference number

Example LXA

#### Codelist:

Allowed codes:	Code	Codename
	BCA	BMW Classic Moosacher Str. 66
	BXA	Niederlassung Berlin Kaiserdamm 90 / Hauptbetrieb
	BXB	Niederlassung Berlin Gehringstrasse 20
	BXD	Niederlassung Berlin Kaiserdamm 90 / Mlni
	BXE	Niederlassung Berlin Blumberger Damm 2
	BXF	Niederlassung Berlin Kaiserdamm 90 / Motorrad Zentrum
	DGA	Servicezentrum Dingolfing Landshuter Str. 12
	DGB	Niederlassung Landshut Ohmstr. 2
	DGC	Niederlassung Dingolfing Karl-Dompert-Str. 7
	DGE	Niederlassung Dingolfing Landshuter Str. 12 / Motorrad Zentrum
	DGF	Niederlassung Moosthenning Gewerbefeld 4
	DXA	Niederlassung Düsseldorf Grafenberger Allee 277/258
	DXB	Niederlassung Düsseldorf Theodorstraße 279
	DXC	Niederlassung Düsseldorf BMW Motorradzentrum
	DXD	Niederlassung Bonn Vorgebirgsstrasse 95 / Hauptbetrieb
	DXE	Niederlassung Bonn Vorgebirgsstrasse 95 / Motorrad Zentrum



## Details - XRechnung UBL 2.1 schema

### Codelist:

Allowed codes: Code	Codename
DXF	Niederlassung Dortmund Nortkirchenstraße 111 / Hauptbetrieb
DXG	Niederlassung Dortmund Nortkirchenstraße 111 / Motorrad Zentrum
DXH	Niederlassung Essen Berthold-Beitz-Boulevard 508 / Hauptbetrieb und Gebr. Wagenzentrum
DXK	Niederlassung Essen Berthold-Beitz-Boulevard 508 / Motorrad Zentrum
FXA	Niederlassung Frankfurt Hanauer Landstraße 182/255
FXB	Niederlassung Offenbach Spessarting 9
FXC	Niederlassung Frankfurt Hanauer Landstr. 182
FXD	Niederlassung Dreieich Gustav-Otto-Strasse 1 / Motorrad Zentrum
FXE	Niederlassung Dreieich Gustav-Otto-Strasse 1 / Gebrauchtwagenzentrum
FXF	Niederlassung Darmstadt Marburger Str. 22
FXM	Niederlassung Kassel Scharnhorststrasse 14
FXN	Niederlassung Kassel Scharnhorststrasse 14 / Motorrad Zentrum
FXS	Niederlassung Frankfurt Hanauer Landstrasse 182
HHA	Niederlassung Hamburg Offakamp 10 / Hauptbetrieb
HHB	Niederlassung Hamburg Süderstrasse 133
HHC	Niederlassung Hamburg Friedrich-Ebert-Damm 120
HHD	Niederlassung Barsbüttel Rahlstedter Strasse 4-10
HHE	Niederlassung Hamburg Osdorfer Landstrasse
HHG	Niederlassung Hamburg Offakamp 10 / Motorrad Zentrum
HHH	Niederlassung Hamburg Bergedorfer Strasse 68
HXA	Niederlassung Hannover Lister Kirchweg 87
HXB	Niederlassung Hannover Meelbaumstrasse 3
HXC	Niederlassung Hannover Lissabonner Allee 3 / EXPOPark
HXD	Niederlassung Hannover Lissabonner Allee 3 / Motorrad Zentrum
HXE	Niederlassung Göttingen Herbert-Quandt-Strasse 8
HXF	Niederlassung Bremen Borgwardstrasse 4 / Hauptbetrieb
HXG	Niederlassung Bremen Borgwardstrasse 4 - 6 / Motorrad Zentrum
LXA	Niederlassung Leipzig Zwickauer Strasse 55 / Hauptbetrieb
LXB	Niederlassung Leipzig Zwickauer Strasse 55 / Motorrad Zentrum
LXC	Niederlassung Leipzig BMW Allee 1
LXD	Niederlassung Chemnitz Röhrsdorfer Allee 3 / Hauptbetrieb
LXE	Niederlassung Chemnitz Röhrsdorfer Allee 3 / Motorrad Zentrum
LXF	Niederlassung Dresden Dohnaer Strasse 99 / Hauptbetrieb und Gebr. Wagenzentrum
LXG	Niederlassung Dresden Dohnaer Strasse 99 - 101 / Motorrad Zentrum
MXA	Niederlassung München Frankfurter Ring 35
MXB	Niederlassung Garching-Hochbrück Daimlerstrasse 21
MXD	Niederlassung München Riesenfeldstrasse 7
MXE	Niederlassung München Drygalski-Allee 35
MXF	Niederlassung München Werner-Heisenb
MXG	Niederlassung München Frankfurter Ring 35
MXH	Niederlassung München Nordallee 62
MXI	Niederlassung München Frankfurter Ring 29
MXK	Niederlassung Garching-Hochbrück Zeppelinstrasse 5
MXV	Niederlassung München Ingolstädter Straße 172
NXA	Niederlassung Nürnberg Witschelstrasse 60-62
NXB	Niederlassung Nürnberg Kilianstrasse 181
NXC	Niederlassung Nürnberg Witschelstrasse 60
NXE	Niederlassung Nürnberg Regensburger Strasse 420
NXS	Niederlassung Nürnberg Witschelstrasse 59
RXA	Servicezentrum Regensburg Herbert-Quandt-Allee
SXA	Niederlassung Stuttgart Untere Waldplätze 3
SXB	Niederlassung Stuttgart Pragstrasse 140
SXC	Niederlassung Stuttgart Pascalstr. 1
SXD	Niederlassung Mannheim Neckarauer Strasse 164
SXE	Niederlassung Mannheim Inselstrasse 2
SXG	Niederlassung Saarbrücken Am Halberg 6-7
SXH	Niederlassung Saarlouis Schanzenstrasse 20

## Details - XRechnung UBL 2.1 schema

### Codelist:

Allowed codes:	Code	Codename
	SXK	Niederlassung Saarbrücken Am Halberg 6-7
	SXL	Niederlassung Kirel Konrad-Zuse-Str. 1
	XA	Alpenhotel Ammerwald

### cac:AllowanceCharge

Allowances or charges on line item level

Status: **O**

Path: *Invoice/cac:InvoiceLine/cac:AllowanceCharge*

Data Type: *cac:AllowanceChargeType*

Cardinality: 0..n

Usage: In principle, invoice in the automotive industry have to include the last price including all allowances and charges related to the line item. Other allowances / cahrges shall not be used. They are either incorporated in the net price or represented as a separate line item. In the EN 16931 and the German implementation, the XRechnung, the options are somewhat wider: Every line item has to state the net price, which is calculated as gross price minus price allowances per price unit. Beside this there can be allowances and charges as lump sum or percentage which are related to the product net price \* invoiced quantity. Since there is the intention to accept invoices compliant to the EU norm, this guideline allows to use Allowance/Charge for this purpose.

EN 16931-ID: BG-27, BG-28

### cbc:ChargeIndicator

Allowance or charge, code

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:ChargeIndicator*

Data Type: *cbc:ChargeIndicatorType*

Cardinality: 1..1

Usage: true = charge  
false = allowance

Remark: For a discount (BG-27), the value of the ChargeIndicator must be set to "false".  
For a charge (BG-28), the value of the ChargeIndicator must be set to "true".

EN 16931-ID: BG-27-0, BG-28-0

Example false

### cbc:AllowanceChargeReason

Allowance or charge, description free text

Status: **O**

Path: *Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:AllowanceChargeReason*

Data Type: *cbc:AllowanceChargeReasonType*

Cardinality: 0..n

EN 16931-ID: BT-139, BT-144

Note: Reason for allowance or charge (free text)

Example allowance

### cbc:Amount

Allowance or charge, monetary amount

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:Amount*

Data Type: *cbc:AmountType*

Synonym: Invoice line allowance / charge amount

Cardinality: 1..1

EN 16931-ID: BT-136, BT-141

Example 206.42

### currencyID

Currency (code)

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:Amount/@currencyID*

Data Type: *xs:normalizedString*

Remark: ISO 4217 codelist

Use: required

Example EUR

## Details - XRechnung UBL 2.1 schema

<b>cac:Item</b>	Description of article or service
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cac:Item</i></p> <p>Data Type: <i>cac:ItemType</i></p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BG-31</p>	
<b>cbc:Description</b>	Description of article or service
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cac:Item/cbc:Description</i></p> <p>Data Type: <i>cbc:DescriptionType</i></p> <p>Length: 1 ... 250</p> <p>Synonym: Article description</p> <p>Cardinality: 1..n</p> <p>Usage: The short name or description of an article or service in plain text.</p> <p>EN 16931-ID: BT-154</p> <p>Example Motor, 6 cylinder</p>	
<b>cbc:Name</b>	Name of article or service
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cac:Item/cbc:Name</i></p> <p>Data Type: <i>cbc:NameType</i></p> <p>Length: 1 ... 250</p> <p>Synonym: Article name</p> <p>Cardinality: 1..1</p> <p>Usage: The name of an article or service in plain text.</p> <p>EN 16931-ID: BT-153</p> <p>Example SIMOTICS SD 1LE15 IEC-LV-MOTOR IE4</p>	
<b>cac:BuyersItemIdentification</b>	Buyer article number
<p>Status: <b>O</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cac:Item/cac:BuyersItemIdentification</i></p> <p>Data Type: <i>cac:ItemIdentificationType</i></p> <p>Synonym: item number</p> <p>Cardinality: 0..1</p> <p>EN 16931-ID: BT-156</p>	
<b>cbc:ID</b>	BMW article number
<p>Status: <b>R</b></p> <p>Path: <i>Invoice/cac:InvoiceLine/cac:Item/cac:BuyersItemIdentification/cbc:ID</i></p> <p>Data Type: <i>cbc:IDType</i></p> <p>Length: 7 ... 10</p> <p>Synonym: item number</p> <p>Cardinality: 1..1</p> <p>Usage: Information directly relating to the identification of an article by the buyer's identification system.</p> <p>Note: The term article is synonymous to the term item. In the global joint automotive guidelines the term article is used.</p> <p>BMW part number 9-digit (format: XXXXXXXX-XX) or 7-digit (format: XXXXXXXX)</p> <p>EN 16931-ID: BT-156</p> <p>Example AB34567-12</p>	

## Details - XRechnung UBL 2.1 schema

### cac:SellersItemIdentification

Seller/Supplier article number

Status: **O**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:SellersItemIdentification*

Data Type: cac:ItemIdentificationType

Synonym: item number

Cardinality: 0..1

EN 16931-ID: BT-155

### cbc:ID

Supplier / seller article number

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:SellersItemIdentification/cbc:ID*

Data Type: cbc:IDType

Cardinality: 1..1

Usage: Information directly relating to the identification of an article by the sellers identification system.

Note: The term article is synonymous to the term item. In the global joint automotive guidelines the term article is used.

EN 16931-ID: BT-155

Example 1LE1504-1EB43-4AB4

### cac:ClassifiedTaxCategory

Details on line taxes

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:ClassifiedTaxCategory*

Data Type: cac:TaxCategoryType

Cardinality: 1..n

Remark: This section must be used if the invoice must display more than one tax type or rate.

EN 16931-ID: BG-30

### cbc:ID

Tax category type, code

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:ClassifiedTaxCategory/cbc:ID*

Data Type: cbc:IDType

Cardinality: 1..1

Usage: This code list contains codes referencing to the Sixth EU directive regarding tax exemption and special procedures. Under EU directive and national law, any exemption from tax has to be declared more detailed. There are several provisions in the directive, which allow exemption. In the European environment it is necessary to state this reason whenever the invoice issuer declares an invoice item or the whole invoice to be VAT exempt. If the tax is not value added tax, then here code S is used as default.

EN 16931-ID: BT-151

Example S

**Codelist:** UNCL5305

Allowed codes:	Code	Codename
	A	Mixed tax rate
	AA	Lower rate
	AB	Exempt for resale
	AC	Value Added Tax (VAT) not now due for payment
	AD	Value Added Tax (VAT) due from a previous invoice
	AE	VAT Reverse Charge
	B	Transferred (VAT)
	C	Duty paid by supplier
	D	Value Added Tax (VAT) margin scheme - travel agents
	E	Exempt from tax
	F	Value Added Tax (VAT) margin scheme - second-hand goods
	G	Free export item, tax not charged
	H	Higher rate
	I	Value Added Tax (VAT) margin scheme - works of art Margin scheme — Works of art
	J	Value Added Tax (VAT) margin scheme - collector's items and antiques

## Details - XRechnung UBL 2.1 schema

**Codelist:** UNCL5305

Allowed codes:	Code	Codename
	K	VAT exempt for EEA intra-community supply of goods and services
	L	Canary Islands general indirect tax
	M	Tax for production, services and importation in Ceuta and Melilla
	O	Services outside scope of tax
	S	Standard rate
	Z	Zero rated goods

### cbc:Percent

The tax rate (numeric)

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:ClassifiedTaxCategory/cbc:Percent*

Data Type: cbc:PercentType

Synonym: Tax percentage

Cardinality: 1..1

EN 16931-ID: BT-152

Note: The VAT rate applicable to the item being billed and expressed as a percentage

Example 19.00

### cbc:TaxExemptionReason

Reason for tax exempt, free text

Status: **D**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:ClassifiedTaxCategory/cbc:TaxExemptionReason*

Data Type: cbc:TaxExemptionReasonType

Cardinality: 0..n

Usage: If a line item is exempt from tax a reason is required

Example VAT exempt for EEA intra-community supply of goods and services

### cac:TaxScheme

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:ClassifiedTaxCategory/cac:TaxScheme*

Data Type: cac:TaxSchemeType

Cardinality: 1..1

### cbc:ID

tax type, code

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:ClassifiedTaxCategory/cac:TaxScheme/cbc:ID*

Data Type: cbc:IDType

Cardinality: 1..1

Remark: fixed value = "VAT"

EN 16931-ID: BT-151-0

Example VAT

**Codelist:** UNTDID 5153

Allowed codes:	Code	Codename
	VAT	Value added tax

### cac:Price

Price details

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Price*

Data Type: cac:PriceType

Cardinality: 1..1

EN 16931-ID: BG-29

## Details - XRechnung UBL 2.1 schema

### cbc:PriceAmount

price

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Price/cbc:PriceAmount*

Data Type: cbc:PriceAmountType

Cardinality: 1..1

Usage: Net price including price related allowances or charges, this represents the net price applicable to the line, it does also include any allowances/charges that may be applicable to the line and which are deductible from the gross price. If price related allowances or charges are stated, then only for information purposes.

EN 16931-ID: BT-146

Example 2373.86

### currencyID

Currency (code)

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Price/cbc:PriceAmount/@currencyID*

Data Type: xs:normalizedString

Remark: ISO 4217 codelist

Use: required

Example EUR

### cbc:BaseQuantity

price base quantity, value

Status: **O**

Path: *Invoice/cac:InvoiceLine/cac:Price/cbc:BaseQuantity*

Data Type: cbc:BaseQuantityType

Cardinality: 0..1

Usage: Price base (quantity) related to an unit price  
price for 1 piece -> price = 0.0664  
price for 100 piece -> price = 6.64

EN 16931-ID: BT-149-0

Example 1