



Message Implementation Guideline

XRechnung - UBL2.1 xml

Outgoing Invoice

Version: v1.1
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Important notices

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. For informational purposes format defines type and length or date mask of each element sent by BMW. Some of elements are listed in provided code lists. For elements limited by ISO code lists, references to the corresponding lists are added in code list 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

Structur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
Invoice			
0..1	O	cbc:UBLVersionID	UBL version ID
1..1	R	cbc:CustomizationID	Specification identifier - Guideline BT-24
0..1	D	cbc:ProfileID	Profile ID - PEPPOL Network
1..1	R	cbc:ID	Invoice Number BT-1
1..1	R	cbc:IssueDate	Invoice date BT-2
0..1	O	cbc:DueDate	Due date BT-9
1..1	R	cbc:InvoiceTypeCode	Invoice type, code BT-3
0..n	O	cbc:Note	Free text on header / document level BT-22
1..1	R	cbc:DocumentCurrencyCode	Invoice currency (code) BT-5
0..1	D	cbc:TaxCurrencyCode	Home currency (code) BT-6
1..1	R	cbc:BuyerReference	Buyer reference BT-10
0..n	D	cac:InvoicePeriod	Details on billing specified period BG-14
1..1	R	cbc:StartDate	Start of the billing period, date BT-73
1..1	R	cbc:EndDate	End of the billing period, date BT-74
0..1	O	cac:OrderReference	Details on corresponding order
1..1	R	cbc:ID	order number BT-13
0..n		cac:BillingReference	
0..1	O	cac:InvoiceDocumentReference	Details on referenced invoice
1..1	R	cbc:ID	Preceding Invoice number BT-25
0..n	O	cac:AdditionalDocumentReference	Additional Documents BG-24
1..1	R	cbc:ID	Supporting Document Reference BT-17, BT-18, BT-122
1..1	R	cac:Attachment	Attachment BT-125
1..1	R	cbc:EmbeddedDocumentBinaryObject	Document as encoded base64 string BT-125
required		@mimeCode	MIME Code BT-125
required		@filename	File name BT-125
1..1	R	cac:AccountingSupplierParty	Seller BG-4
1..1	R	cac:Party	
0..1	D	cbc:EndpointID	Supplier ID - PEPPOL Network ID
required		@schemeID	Supplier ID, country code - PEPPOL Network ID
1..n	R	cac:PartyIdentification	
1..1	R	cbc:ID	Supplier/seller number BT-29
1..n	R	cac:PartyName	
1..1	R	cbc:Name	Company name of the supplier / seller BT-27
1..1	R	cac:PostalAddress	Complete address of the supplier / seller BG-5
0..1	O	cbc:Postbox	Post box, supplier / seller
1..1	R	cbc:StreetName	Street , part 1 BT-35
0..1	O	cbc:AdditionalStreetName	Street , part 2 BT-36
1..1	R	cbc:CityName	City BT-37
1..1	R	cbc:PostalZone	Postcode, supplier / seller BT-38
1..1	R	cac:Country	Country
1..1	R	cbc:IdentificationCode	Country code, supplier / seller BT-40
0..1	O	cbc:Name	Country name supplier / seller, text
0..n	A	cac:PartyTaxScheme	Tax registration details
0..1	D	cbc:CompanyID	(Local) tax Id BT-31, BT-32
R			VAT Id
1..1	R	cac:TaxScheme	
1..1	R	cbc:ID	Type of supplier / seller number , code BT-31-0, BT-32-0
1..n	R	cac:PartyLegalEntity	
1..1	R	cbc:RegistrationName	Company name of the supplier / seller BT-28
0..1	D	cbc:CompanyID	Trade register number and legal seat of the supplier / seller BT-30
0..1	D	cbc:CompanyLegalForm	Regulatory information BT-33
1..1	R	cac:Contact	Contact person of the supplier / seller BG-6
1..1	R	cbc:Name	Contact person of the supplier / seller BT-41
1..1	R	cbc:Telephone	Telephone number of the supplier / seller BT-42
0..1	O	cbc:Telefax	Telefax number of the supplier / seller
1..1	R	cbc:ElectronicMail	Email address of the supplier / seller BT-43
0..n	O	cbc:Note	Contact informaton - free text
0..n	O	cac:Person	
0..1	O	cbc:FirstName	First name contact person of the supplier / seller

Structur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
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 optional	cbc:EndpointID	Buyer ID - PEPPOL Network ID	
	@schemeID	Buyer ID, country cocde - PEPPOL Network ID	
1..n R	cac:PartyIdentification		
1..1 R	cbc:ID	Buyer ID	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..1 O	cbc:Name	Country name buyer, text	
0..n A	cac:PartyTaxScheme	Tax registration details	
0..1 D	cbc:CompanyID	VAT Id, buyer	BT-48
		(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 D	cbc:CompanyLegalForm	Regulatory information	
0..1 O	cac:Contact	Contact person of the buyer	BG-9
0..1 O	cbc:Name	Contact person of the buyer	
0..1 O	cbc:Telephone	Telephone number of the buyer	
0..1 O	cbc:Telefax	Telefax number of the buyer	
0..1 O	cbc:ElectronicMail	Email address of the buyer	
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 D	cac:PayeeParty	Payee	BG-10
1..n R	cac:PartyIdentification		
1..1 D	cbc:ID	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..1 O	cbc:Name	Country name payee, text	
0..n O	cac:PartyTaxScheme	Details on tax registration	
0..1 D	cbc:CompanyID	VAT or tax registration number, payee	BT-61
		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 party	BG-11
0..n O	cac:PartyIdentification		
1..1 O	cbc:ID	BMW supplier/seller number tax representative	
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

Struktur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
1..1 R	cbc:CityName	City	BT-66
1..1 R	cbc:PostalZone	Postcode	BT-67
1..1 R	cac:Country		
1..1 R	cbc:IdentificationCode	Country code	BT-69
1..n R	cac:PartyTaxScheme	Details on tax registration	
1..1 R	cbc:CompanyID	VAT or tax registration number, tax representative	BT-63
D		Tax registration number, tax representative	
1..1 R	cac:TaxScheme		
1..1 R	cbc:ID	Type of number , code	
0..n D	cac:Delivery	Ship To / Delivery	BG-13
0..1 O	cbc:ActualDeliveryDate	Delivery Note Date, document	BT-72
1..1 R	cac:DeliveryLocation	Complete address of the delivery location	BG-15
0..1 D	cbc:ID	BMW Business Area Code	BT-71
0..1 O	cac:Address	Details on ship to address	
1..1 R	cbc:StreetName	Street , part 1	BT-75
1..1 R	cbc:CityName	City	BT-77
1..1 R	cbc:PostalZone	Postcode, buyer	BT-78
1..1 R	cac:Country	Country	
1..1 R	cbc:IdentificationCode	Country code, ship to	BT-80
0..1 O	cac:DeliveryParty		
1..n R	cac:PartyName		
1..1 R	cbc:Name	Company Name, ship to	BT-70
1..n R	cac:PaymentMeans	Details on payment means	BG-16
1..1 R	cbc:PaymentMeansCode	Payment means, code	BT-81
0..1	cac:PayerFinancialAccount		
1..1 R	cbc:ID	IBAN, buyer	
0..1 O	cbc:Name	Name of account holder	
0..1	cac:FinancialInstitutionBranch		
0..1 O	cbc:ID	BIC, Bank identifier	
0..1 O	cbc:Name	Bank name	
0..1 D	cac:PayeeFinancialAccount	Seller's bank account	BG-17
1..1 R	cbc:ID	IBAN, payee	BT-84
0..1 O	cbc:Name	Name of account holder	BT-85
0..1 D	cac:FinancialInstitutionBranch	Seller's financial institution	
0..1 O	cbc:ID	BIC, Bank identifier	
0..1 O	cbc:Name	Bank name	
0..n D	cac:PaymentTerms	Details on payment terms	
0..n D	cbc:Note	Payment terms, free text	BT-20
0..n O	cac:PrepaidPayment		
0..1 O	cbc:PaidAmount	Prepaid amount	
required	@currencyID	Currency (code)	
0..n O	cac:AllowanceCharge	Allowances or charges on Header/invoice level	BG-20, BG-21
1..1 R	cbc:ChargeIndicator	Allowance or charge, code	BG-20-0, BG-21-0
0..n O	cbc:AllowanceChargeReason	Allowance or charge, description free text	BT-97, BT-104
0..1 O	cbc:MultiplierFactorNumeric	Allowance or charge, in percent	BT-97, BT-101
1..1 R	cbc:Amount	Allowance or charge, monetary amount	BT-92, BT-99
required	@currencyID	Currency (code)	
0..1 D	cac:TaxExchangeRate	Home currency	BT-6
1..1 R	cbc:SourceCurrencyCode	Home currency, code	BT-6
1..1 R	cbc:TargetCurrencyCode	Invoice currency, code	
0..1 O	cbc:CalculationRate	Exchange rate	
0..1 O	cbc:Date	Rate of exchange date/time	
1..n R	cac:TaxTotal	Grouping details on trade tax	BG-23
1..1 R	cbc:TaxAmount	Tax total amount	BT-110
required	@currencyID	Currency, code	
1..n R	cac:TaxSubtotal	Total taxable and tax amount per tax rate	
1..1 R	cbc:TaxableAmount	Total taxable amount per tax rate	BT-116
required	@currencyID	Currency (code)	
1..1 R	cbc:TaxAmount	Total tax amount per tax rate	BT-117
required	@currencyID	Currency (code)	
1..1 R	cac:TaxCategory		

Structur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
1..1 R	cbc:ID	Tax category type, code	BT-118
1..1 R	cbc:Percent	The tax rate (numeric)	BT-119
0..n D	cbc:TaxExemptionReason	Reason for tax exempt, free text	BT-120
1..1 R	cac:TaxScheme		
1..1 R	cbc:ID	tax type, code	BT-118-0
1..1 R	cac:LegalMonetaryTotal	Detail of document totals	BG-22
1..1 R required	cbc:LineExtensionAmount @currencyID	Line total amount, value Currency (code)	BT-106
1..1 R required	cbc:TaxExclusiveAmount @currencyID	Tax basis total amount, value Currency (code)	BT-109
1..1 R required	cbc:TaxInclusiveAmount @currencyID	Invoice total amount, value Currency (code)	BT-112
0..1 O required	cbc:AllowanceTotalAmount @currencyID	Allowance total amount, value Currency (code)	BT-107
0..1 O required	cbc:ChargeTotalAmount @currencyID	Charge total amount, value Currency (code)	BT-108
0..1 O required	cbc:PrepaidAmount @currencyID	Prepaid amount Currency (code)	BT-113
1..1 R required	cbc:PayableAmount @currencyID	Due payable amount, value Currency (code)	BT-115
1..n R	cac:InvoiceLine	Line item section	BG-25
1..1 R	cbc:ID	Line item identifier	BT-126
0..n O	cbc:Note	Line item free text	BT-127
1..1 R required	cbc:InvoicedQuantity @unitCode	Invoiced quantity unit of measure	BT-129
1..1 R required	cbc:LineExtensionAmount @currencyID	Line item net amount Currency (code)	BT-131
0..1 O	cac:OrderLineReference	order number - line item level	
1..1 R	cbc:LineID	line item Order number	BT-132
0..1 O	cac:OrderReference		
1..1 R	cbc:ID	order number	
0..1 O	cbc:IssueDate	order date	
0..n O	cac:Delivery	Grouping on delivery information	
0..1 D	cbc:ID	Delivery note number, line item	BT-16
0..1 O	cbc:ActualDeliveryDate	Delivery note date, line item	
0..1 O	cac:DeliveryAddress	Details on the ship to	
0..1 O	cbc:ID	BMW Plant Code	BT-71
0..1 O	cbc:StreetName	Street	
0..1 O	cbc:CityName	City	
0..1 O	cbc:PostalZone	Postcode, buyer	
0..1 O	cac:Country		
1..1 R	cbc:IdentificationCode	Country code, ship to	
0..n O	cac:DeliveryTerms	Details on delivery terms	
1..1 R	cbc:ID	Delivery type (Code)	
0..n O	cbc:SpecialTerms	Delivery type - free text	
0..n O	cac:AllowanceCharge	Allowances or charges on line item level	BG-27, BG-28
1..1 R	cbc:ChargeIndicator	Allowance or charge, code	BG-27-0, BG-28-0
0..n O	cbc:AllowanceChargeReason	Allowance or charge, description free text	BT-139, BT-144
1..1 R required	cbc:Amount @currencyID	Allowance or charge, monetary amount Currency (code)	BT-136, BT-141
1..1 R	cac:Item	Description of article or service	BG-31
1..n R	cbc:Description	Description of article or service	BT-154
1..1 R	cbc:Name	Name of article or service	BT-153
0..n O	cbc:ModelName	VIN	
0..1 O	cac:BuyerItemIdentification	Buyer article number	
1..1 O	cbc:ID	Buyer article number	BT-156
0..1 O	cac:SellerItemIdentification	Seller/Supplier article number	
1..1 O	cbc:ID	Supplier / seller article number	BT-155
0..1 D	cac:OriginCountry	Details of product origin	
1..1 R	cbc:IdentificationCode	Country of origin	BT-159
1..n R	cac:ClassifiedTaxCategory	Line item tax information	BG-30
1..1 R	cbc:ID	Tax category type, code	BT-151

Struktur - XRechnung UBL2.1

Cardinality	Element	Description	EN 16931-ID
1..1 R	cbc:Percent	The tax rate (numeric)	BT-152
0..n D	cbc:TaxExemptionReason	Reason for tax exempt, free text	
1..1 R	cac:TaxScheme		
1..1 R	cbc:ID	tax type, code	BT-151-0
0..n O	cac:AdditionalItemProperty	Additional item information	BG-32
1..1 R	cbc:Name	Name of additional item information, text	BT-160
1..1 R	cbc:Value	Value of additional item information, text	BT-161
1..1 R	cac:Price	Price details	BG-29
1..1 R	cbc:PriceAmount	price	BT-146
<i>required</i>	@currencyID	Currency (code)	
0..1 O	cbc:BaseQuantity	price base quantity, value	BT-149-0

Details - XRechnung UBL 2.1 schema

Invoice

cbc:UBLVersionID	UBL version ID
<p>Status: O</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>	
cbc:CustomizationID	Specification identifier - Guideline
<p>Status: R</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: An identifier of the specification that the entire set of rules on semantic content, cardinalities and contains the business rules to which the data contained in the invoice correspond. Note: This explains the conformity to the respective document. For the reference to the EU standard must be specified at: cen.eu: en16931: 2017. 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. There is no scheme to use.</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>	
cbc:ProfileID	Profile ID - PEPPOL Network
<p>Status: D</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 receive his invoices via the PEPPOL network BMW will fill this ID. If the supplier receive his invoice via a direct connect BMW don't fill this ID</p> <p>Example urn:fdc:peppol.eu:2017:poacc:billing:01:1.0</p>	
cbc:ID	Invoice Number
<p>Status: R</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>EN 16931-ID: BT-1</p> <p>Example 7412B123456789</p>	
cbc:IssueDate	Invoice date
<p>Status: R</p> <p>Path: <i>Invoice/cbc:IssueDate</i></p> <p>Data Type: cbc:IssueDateType</p> <p>Cardinality: 1..1</p> <p>Usage: The date the invoice was issued. format: yyyy-MM-dd(+/-)hh:mm</p> <p>EN 16931-ID: BT-2</p> <p>Example 2019-03-26+01:00</p>	

Details - XRechnung UBL 2.1 schema

cbc:DueDate

Due date

Status: **O**

Path: *Invoice/cbc:DueDate*

Data Type: cbc:DueDateType

Cardinality: 0..1

Usage: 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.

format: yyyy-MM-dd(+/-)hh:mm

EN 16931-ID: BT-9

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

EN 16931-ID: BT-3

Example 389

Codelist:

Allowed codes:	Code	Codename
	380	Commercial invoice
	381	Credit note
	389	Self-billed invoice

cbc:Note

Free text on header / document level

Status: **O**

Path: *Invoice/cbc:Note*

Data Type: cbc:NoteType

Cardinality: 0..n

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 General information free text

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

cbc:TaxCurrencyCode	Home currency (code)
Status: D Path: <i>Invoice/cbc:TaxCurrencyCode</i> Data Type: cbc:TaxCurrencyCodeType Cardinality: 0..1	
Usage: Home currency: in some countries it is a requirement that, for invoicing in foreign currency, the invoice taxable and tax (e.g. VAT) amounts must also be expressed in home currency. Relating this to this segment, authorities would require the invoicing currency and the home currency to be shown, together with the rate of exchange	
EN 16931-ID: BT-6	
Example USD	
cbc:BuyerReference	Buyer reference
Status: R Path: <i>Invoice/cbc:BuyerReference</i> Data Type: cbc:BuyerReferenceType Synonym: Leitweg-ID 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).	
Remark: In invoices for the german government BMW sends the receiver "Leitweg-ID" in Buyer reference	
EN 16931-ID: BT-10	
Example 04011000-1234512345-06	
cac:InvoicePeriod	Details on billing specified period
Status: D 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	
cbc:StartDate	Start of the billing period, date
Status: R 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	
cbc:EndDate	End of the billing period, date
Status: R 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	
cac:OrderReference	Details on corresponding order
Status: O Path: <i>Invoice/cac:OrderReference</i> Data Type: cac:OrderReferenceType Cardinality: 0..1	

Details - XRechnung UBL 2.1 schema

cbc:ID	<p>Status: R</p> <p>Path: <i>Invoice/cac:OrderReference/cbc:ID</i></p> <p>Data Type: cbc:IDType</p> <p>Length: 1 ... 16</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-13</p> <p>Example F37PNPF</p>	order number
cac:BillingReference	<p>Path: <i>Invoice/cac:BillingReference</i></p> <p>Data Type: cac:BillingReferenceType</p> <p>Cardinality: 0..n</p>	
cac:InvoiceDocumentReference	<p>Status: O</p> <p>Path: <i>Invoice/cac:BillingReference/cac:InvoiceDocumentReference</i></p> <p>Data Type: cac:DocumentReferenceType</p> <p>Cardinality: 0..1</p> <p>Remark: To be used if:</p> <ul style="list-style-type: none"> - 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. <p>Note: previous invoice number, original invoice number</p>	Details on referenced invoice
cbc:ID	<p>Status: R</p> <p>Path: <i>Invoice/cac:BillingReference/cac:InvoiceDocumentReference/cbc:ID</i></p> <p>Data Type: cbc:IDType</p> <p>Synonym: previous , original invoice number</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-25</p> <p>Example F111N22</p>	Preceding Invoice number
cac:AdditionalDocumentReference	<p>Status: O</p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference</i></p> <p>Data Type: cac:DocumentReferenceType</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>	Additional Documents
cbc:ID	<p>Status: R</p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cbc:ID</i></p> <p>Data Type: cbc:IDType</p> <p>Synonym: Document number</p> <p>Cardinality: 1..1</p> <p>Usage: invoice number</p> <p>EN 16931-ID: BT-17, BT-18, BT-122</p> <p>Example 7412B123456789</p>	Supporting Document Reference
cac:Attachment	<p>Status: R</p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cac:Attachment</i></p> <p>Data Type: cac:AttachmentType</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-125</p>	Attachment

Details - XRechnung UBL 2.1 schema

cbc:EmbeddedDocumentBinaryObject	Document as encoded base64 string
<p>Status: R</p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cac:Attachment/cbc:EmbeddedDocumentBinaryObject</i></p> <p>Data Type: cbc:EmbeddedDocumentBinaryObjectType</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-125</p> <p>Example JVBERi0xLjcNC.....</p>	
mimeCode	MIME Code
<p>Status: R</p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cac:Attachment/cbc:EmbeddedDocumentBinaryObject/@mimeCode</i></p> <p>Data Type: xs:normalizedString</p> <p>Use: required</p> <p>EN 16931-ID: BT-125</p> <p>Example application/pdf</p>	
filename	File name
<p>Status: R</p> <p>Path: <i>Invoice/cac:AdditionalDocumentReference/cac:Attachment/cbc:EmbeddedDocumentBinaryObject/@filename</i></p> <p>Data Type: xs:string</p> <p>Use: required</p> <p>EN 16931-ID: BT-125</p> <p>Example SND_OT2408675-7c5c-4733-bbfa-d842251f4cde.pdf</p>	
cac:AccountingSupplierParty	Seller
<p>Status: R</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty</i></p> <p>Data Type: cac:SupplierPartyType</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> <p>EN 16931-ID: BG-4</p>	
cac:Party	
<p>Status: R</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party</i></p> <p>Data Type: cac:PartyType</p> <p>Cardinality: 1..1</p>	
cbc:EndpointID	Supplier ID - PEPPOL Network ID
<p>Status: D</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cbc:EndpointID</i></p> <p>Data Type: cbc:EndpointIDType</p> <p>Synonym: Supplier identification for PEPPOL Network</p> <p>Cardinality: 0..1</p> <p>Usage: If the supplier receive their invoices via the PEPPOL network BMW will fill this ID. If the supplier receive their invoice via a direct connect BMW don't fill this ID</p> <p>Example DE123456789</p>	

Details - XRechnung UBL 2.1 schema

schemeID	Supplier ID, country code - PEPPOL Network ID
<p>Status: D</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cbc:EndpointID/@schemeID</i></p> <p>Data Type: xs:normalizedString</p> <p>Synonym: Supplier identification for PEPPOL Network</p> <p>Usage: If the supplier receive their invoices via the PEPPOL network BMW will fill this attribute. If the supplier receive their invoice via a direct connect BMW don't fill this attribute</p> <p>Use: required</p> <p>Example 9930</p>	
cac:PartyIdentification	
<p>Status: R</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyIdentification</i></p> <p>Data Type: cac:PartyIdentificationType</p> <p>Cardinality: 1..n</p>	
cbc:ID	Supplier/seller number
<p>Status: R</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyIdentification/cbc:ID</i></p> <p>Data Type: cbc:IDType</p> <p>Length: 1 ... 8</p> <p>Synonym: BMW supplier/seller number, supplier identification assigned by the customer, BMW Company Code</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. In Self-Billing invoice BMW sends the BMW supplier number here. In an invoice BMW sends their BMW Company Codes in this field</p> <p>EN 16931-ID: BT-29</p> <p>Example 12345678</p>	
cac:PartyName	
<p>Status: R</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyName</i></p> <p>Data Type: cac:PartyNameType</p> <p>Cardinality: 1..n</p>	
cbc:Name	Company name of the supplier / seller
<p>Status: R</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyName/cbc:Name</i></p> <p>Data Type: cbc:NameType</p> <p>Length: 1 ... 70</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BT-27</p> <p>Example Lieferant GmbH</p>	
cac:PostalAddress	Complete address of the supplier / seller
<p>Status: R</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress</i></p> <p>Data Type: cac:AddressType</p> <p>Cardinality: 1..1</p> <p>EN 16931-ID: BG-5</p>	
cbc:Postbox	Post box, supplier / seller
<p>Status: O</p> <p>Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:Postbox</i></p> <p>Data Type: cbc:PostboxType</p> <p>Length: 1 ... 17</p> <p>Cardinality: 0..1</p> <p>Example 13629</p>	

Details - XRechnung UBL 2.1 schema

cbc:StreetName Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:StreetName</i> Data Type: cbc:StreetNameType Length: 1 ... 35 Cardinality: 1..1 EN 16931-ID: BT-35 Example Lieferantenstraße 20	Street , part 1
cbc:AdditionalStreetName Status: O Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:AdditionalStreetName</i> Data Type: cbc:AdditionalStreetNameType Length: 1 ... 35 Cardinality: 0..1 EN 16931-ID: BT-36 Example Haus 1	Street , part 2
cbc:CityName Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:CityName</i> Data Type: cbc:CityNameType Length: 1 ... 35 Cardinality: 1..1 EN 16931-ID: BT-37 Example Berlin	City
cbc:PostalZone Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:PostalZone</i> Data Type: cbc:PostalZoneType Length: 1 ... 17 Cardinality: 1..1 EN 16931-ID: BT-38 Example 13629	Postcode, supplier / seller
cac:Country Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:Country</i> Data Type: cac:CountryType Cardinality: 1..1	Country
cbc:IdentificationCode Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:Country/cbc:IdentificationCode</i> Data Type: cbc:IdentificationCodeType Cardinality: 1..1 Usage: Use ISO3166 two alpha codelist EN 16931-ID: BT-40 Example DE	Country code, supplier / seller
cbc:Name Status: O Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:Country/cbc:Name</i> Data Type: cbc:NameType Cardinality: 0..1 Example Deutschland	Country name supplier / seller, text

Details - XRechnung UBL 2.1 schema

cac:PartyTaxScheme	Tax registration details						
Status: A Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyTaxScheme</i> Data Type: <i>cac:PartyTaxSchemeType</i> Cardinality: 0..n							
cbc:CompanyID	(Local) tax Id VAT Id						
Status: D R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyTaxScheme/cbc:CompanyID</i> Data Type: <i>cbc:CompanyIDType</i> Length: 1 ... 35 Cardinality: 0..1 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 EN 16931-ID: BT-31, BT-32 Example 201/113/40209 DE234567891							
cac:TaxScheme							
Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyTaxScheme/cac:TaxScheme</i> Data Type: <i>cac:TaxSchemeType</i> Cardinality: 1..1							
cbc:ID	Type of supplier / seller number , code						
Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyTaxScheme/cac:TaxScheme/cbc:ID</i> Data Type: <i>cbc:IDType</i> Synonym: VAT Id (VAT), tax Id or fiscal number (TAX) 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 Codelist: UNTDID 1153 Allowed codes: <table data-bbox="485 1509 759 1592"> <thead> <tr> <th>Code</th> <th>Codename</th> </tr> </thead> <tbody> <tr> <td>TAX</td> <td></td> </tr> <tr> <td>VAT</td> <td></td> </tr> </tbody> </table>	Code	Codename	TAX		VAT		
Code	Codename						
TAX							
VAT							
cac:PartyLegalEntity							
Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity</i> Data Type: <i>cac:PartyLegalEntityType</i> Cardinality: 1..n							

Details - XRechnung UBL 2.1 schema

cbc:RegistrationName	Company name of the supplier / seller
Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity/cbc:RegistrationName</i> Data Type: cbc:RegistrationNameType Length: 1 ... 70 Cardinality: 1..1 EN 16931-ID: BT-28 Example Lieferant GmbH	
cbc:CompanyID	Trade register number and legal seat of the supplier / seller
Status: D Path: <i>Invoice/cac:AccountingSupplierParty/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 EN 16931-ID: BT-30 Example Berlin, HRB 123456	
cbc:CompanyLegalForm	Regulatory information
Status: D Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity/cbc:CompanyLegalForm</i> 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: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact</i> Data Type: cac:ContactType Cardinality: 1..1 EN 16931-ID: BG-6	
cbc:Name	Contact person of the supplier / seller
Status: R Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:Name</i> Data Type: cbc:NameType Length: 1 ... 35 Cardinality: 1..1 EN 16931-ID: BT-41 Example Karin Mustermann	

Details - XRechnung UBL 2.1 schema

cbc:Telephone	Telephone number of the supplier / seller
Status: R	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:Telephone</i>	
Data Type: cbc:TelephoneType	
Length: 1 ... 20	
Cardinality: 1..1	
EN 16931-ID: BT-42	
Example +49 (123) 555222555	
cbc:Telefax	Telefax number of the supplier / seller
Status: O	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:Telefax</i>	
Data Type: cbc:TelefaxType	
Length: 1 ... 20	
Cardinality: 0..1	
Example +49 (123) 11112222	
cbc:ElectronicMail	Email address of the supplier / seller
Status: R	
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 sellermail@mail.com	
cbc:Note	Contact informaton - free text
Status: O	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Contact/cbc:Note</i>	
Data Type: cbc:NoteType	
Cardinality: 0..n	
Example Order from 8:00 am - 6:00 pm	
cac:Person	
Status: O	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person</i>	
Data Type: cac:PersonType	
Cardinality: 0..n	
cbc:FirstName	First name contact person of the supplier / seller
Status: O	
Path: <i>Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person/cbc:FirstName</i>	
Data Type: cbc:FirstNameType	
Length: 1 ... 35	
Cardinality: 0..1	
Example Karin	
cbc:FamilyName	Family name contact person of the supplier / seller
Status: O	
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 Mustermann	

Details - XRechnung UBL 2.1 schema

cac:AccountingCustomerParty

Buyer

Status: **R**

Path: *Invoice/cac:AccountingCustomerParty*

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

cac:Party

Status: **R**

Path: *Invoice/cac:AccountingCustomerParty/cac:Party*

Data Type: cac:PartyType

Cardinality: 1..1

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 receive their invoices via the PEPPOL network BMW will fill this ID.
If the supplier receive their invoice via a direct connect BMW 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 receive their invoices via the PEPPOL network BMW will fill this attribute.
If the supplier receive their invoice via a direct connect BMW don't fill this attribute

Remark: 9930 - Germany VAT number

Use: optional

Note: CEF EAS codelist - Electronic Address Scheme

Example 9930

cac:PartyIdentification

Status: **R**

Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyIdentification*

Data Type: cac:PartyIdentificationType

Cardinality: 1..n

cbc:ID

Buyer ID

Status: **R**

Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyIdentification/cbc:ID*

Data Type: cbc:IDType

Synonym: BMW Company Code, BMW client code

Cardinality: 1..1

Usage: For Self-Billing invoice - Code to identify the correct BMW company and assigned from BMW
In an Invoice BMW will send the BMW client number in this field

EN 16931-ID: BT-46

Example A1

Details - XRechnung UBL 2.1 schema

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

cbc:Name

BMW company name

Status: **R**
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyName/cbc:Name*
 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: **R**
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress*
 Data Type: cac:AddressType
 Cardinality: 1..1
 EN 16931-ID: BG-8

cbc:StreetName

Street , part 1

Status: **R**
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:StreetName*
 Data Type: cbc:StreetNameType
 Length: 1 ... 35
 Cardinality: 1..1
 EN 16931-ID: BT-50
 Example Petuelring 130

cbc:AdditionalStreetName

Street , part 2

Status: **O**
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:AdditionalStreetName*
 Data Type: cbc:AdditionalStreetNameType
 Length: 1 ... 35
 Cardinality: 0..1
 EN 16931-ID: BT-51
 Example Werk 1, Tor 10

cbc:CityName

City

Status: **R**
 Path: *Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:CityName*
 Data Type: cbc:CityNameType
 Length: 1 ... 35
 Cardinality: 1..1
 EN 16931-ID: BT-52
 Example München

Details - XRechnung UBL 2.1 schema

cbc:PostalZone	Postcode, buyer
Status: R	
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	
cac:Country	Country
Status: R	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cac:Country</i>	
Data Type: cac:CountryType	
Cardinality: 1..1	
cbc:IdentificationCode	Country code, buyer
Status: R	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cac:Country/cbc:IdentificationCode</i>	
Data Type: cbc:IdentificationCodeType	
Cardinality: 1..1	
Usage: Use ISO3166 two alpha codelist	
EN 16931-ID: BT-55	
Example DE	
cbc:Name	Country name buyer, text
Status: O	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cac:Country/cbc:Name</i>	
Data Type: cbc:NameType	
Cardinality: 0..1	
Example Deutschland	
cac:PartyTaxScheme	Tax registration details
Status: A	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyTaxScheme</i>	
Data Type: cac:PartyTaxSchemeType	
Cardinality: 0..n	
cbc:CompanyID	VAT Id, buyer (Local) tax Id, buyer
Status: D	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyTaxScheme/cbc:CompanyID</i>	
Data Type: cbc:CompanyIDType	
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	
cac:TaxScheme	
Status: R	
Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyTaxScheme/cac:TaxScheme</i>	
Data Type: cac:TaxSchemeType	
Cardinality: 1..1	

Details - XRechnung UBL 2.1 schema

cbc:ID	Type of tax identifier						
<p>Status: R Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyTaxScheme/cac:TaxScheme/cbc:ID</i> Data Type: cbc:IDType Synonym: tax Id, VAT Id Cardinality: 1..1 Usage: VAT = Buyer VAT ID TAX = Buyer Tax Number Example VAT Codelist: Allowed codes: <table data-bbox="485 577 759 663"><tr><th>Code</th><th>Codename</th></tr><tr><td>TAX</td><td></td></tr><tr><td>VAT</td><td></td></tr></table></p>	Code	Codename	TAX		VAT		
Code	Codename						
TAX							
VAT							
cac:PartyLegalEntity							
<p>Status: R Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyLegalEntity</i> Data Type: cac:PartyLegalEntityType Cardinality: 1..n</p>							
cbc:RegistrationName	Company name of the buyer						
<p>Status: R 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</p>							
cbc:CompanyID	Trade register number and legal seat of the buyer						
<p>Status: O 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</p>							
cbc:CompanyLegalForm	Regulatory information						
<p>Status: D Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyLegalEntity/cbc:CompanyLegalForm</i> 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: Example Vorsitzender des Aufsichtsrates : Norbert Reithofer Vorstand : Oliver Zipse, Vorsitzender : Milagros Caina Carreiro-Andree;Klaus Fröhlich;Milan Nedeljkovic;Pieter Nota;Nicolas Peter;Peter Schwarzenbauer;Andreas Wendt Steuernummer : 143/301/01130 Sitz und Registergericht : München HRB 42243 VATID : DE129273398 Tel. : +49 89 382-0 Fax. : +49 89 382-70-25858 www.bmwgroup.com</p>							
cac:Contact	Contact person of the buyer						
<p>Status: O Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact</i> Data Type: cac:ContactType Cardinality: 0..1 EN 16931-ID: BG-9</p>							

Details - XRechnung UBL 2.1 schema

cbc:Name	Contact person of the buyer
<p>Status: O</p> <p>Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact/cbc:Name</i></p> <p>Data Type: cbc:NameType</p> <p>Length: 1 ... 35</p> <p>Cardinality: 0..1</p> <p>Example Karin Buyer</p>	
cbc:Telephone	Telephone number of the buyer
<p>Status: O</p> <p>Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact/cbc:Telephone</i></p> <p>Data Type: cbc:TelephoneType</p> <p>Length: 1 ... 20</p> <p>Cardinality: 0..1</p> <p>Example +49 (123) 456789-0</p>	
cbc:Telefax	Telefax number of the buyer
<p>Status: O</p> <p>Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact/cbc:Telefax</i></p> <p>Data Type: cbc:TelefaxType</p> <p>Length: 1 ... 20</p> <p>Cardinality: 0..1</p> <p>Example +49 (123) 456789-1</p>	
cbc:ElectronicMail	Email address of the buyer
<p>Status: O</p> <p>Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Contact/cbc:ElectronicMail</i></p> <p>Data Type: cbc:ElectronicMailType</p> <p>Length: 1 ... 100</p> <p>Cardinality: 0..1</p> <p>Example byuermail@mail.de</p>	
cac:Person	
<p>Status: O</p> <p>Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Person</i></p> <p>Data Type: cac:PersonType</p> <p>Cardinality: 0..n</p>	
cbc:FirstName	First name contact person of the buyer
<p>Status: O</p> <p>Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Person/cbc:FirstName</i></p> <p>Data Type: cbc:FirstNameType</p> <p>Length: 1 ... 35</p> <p>Cardinality: 0..1</p> <p>Example Karin</p>	
cbc:FamilyName	Family name contact person of the buyer
<p>Status: O</p> <p>Path: <i>Invoice/cac:AccountingCustomerParty/cac:Party/cac:Person/cbc:FamilyName</i></p> <p>Data Type: cbc:FamilyNameType</p> <p>Length: 1 ... 35</p> <p>Synonym: Last name</p> <p>Cardinality: 0..1</p> <p>Example Mustermann</p>	
cac:PayeeParty	Payee
<p>Status: D</p> <p>Path: <i>Invoice/cac:PayeeParty</i></p> <p>Data Type: cac:PartyType</p> <p>Cardinality: 0..1</p> <p>Usage: Party to whom a payment has to be made if different to supplier / seller</p> <p>EN 16931-ID: BG-10</p>	

Details - XRechnung UBL 2.1 schema

cac:PartyIdentification	
Status: R	
Path: <i>Invoice/cac:PayeeParty/cac:PartyIdentification</i>	
Data Type: <i>cac:PartyIdentificationType</i>	
Cardinality: 1..n	
cbc:ID	Payee (supplier/seller) number
Status: D	
Path: <i>Invoice/cac:PayeeParty/cac:PartyIdentification/cbc:ID</i>	
Data Type: <i>cbc:IDType</i>	
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	
Example 12345678	
cac:PartyName	
Status: R	
Path: <i>Invoice/cac:PayeeParty/cac:PartyName</i>	
Data Type: <i>cac:PartyNameType</i>	
Cardinality: 1..n	
cbc:Name	Company name of the payee
Status: R	
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	
cac:PostalAddress	
Status: R	Complete address of the payee
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress</i>	
Data Type: <i>cac:AddressType</i>	
Cardinality: 1..1	
cbc:Postbox	Post box, payee
Status: O	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:Postbox</i>	
Data Type: <i>cbc:PostboxType</i>	
Cardinality: 0..1	
Example 13629	
cbc:StreetName	Street , part 1
Status: R	
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	
cbc:AdditionalStreetName	Street , part 2
Status: O	
Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:AdditionalStreetName</i>	
Data Type: <i>cbc:AdditionalStreetNameType</i>	
Length: 1 ... 35	
Cardinality: 0..1	
Example Haus 1	

Details - XRechnung UBL 2.1 schema

cbc:CityName	City
Status: R Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:CityName</i> Data Type: cbc:CityNameType Length: 1 ... 35 Cardinality: 1..1 Example Berlin	
cbc:PostalZone	Postcode, payee
Status: R Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cbc:PostalZone</i> Data Type: cbc:PostalZoneType Length: 1 ... 17 Cardinality: 1..1 Example 13629	
cac:Country	Country
Status: R Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cac:Country</i> Data Type: cac:CountryType Cardinality: 1..1	
cbc:IdentificationCode	Country code, payee
Status: R Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cac:Country/cbc:IdentificationCode</i> Data Type: cbc:IdentificationCodeType Cardinality: 1..1 Usage: Use ISO3166 two alpha codelist Example DE	
cbc:Name	Country name payee, text
Status: O Path: <i>Invoice/cac:PayeeParty/cac:PostalAddress/cac:Country/cbc:Name</i> Data Type: cbc:NameType Cardinality: 0..1 Example Deutschland	
cac:PartyTaxScheme	Details on tax registration
Status: O Path: <i>Invoice/cac:PayeeParty/cac:PartyTaxScheme</i> Data Type: cac:PartyTaxSchemeType Cardinality: 0..n	
cbc:CompanyID	VAT or tax registration number, payee Tax registration number, payee
Status: D D Path: <i>Invoice/cac:PayeeParty/cac:PartyTaxScheme/cbc:CompanyID</i> Data Type: cbc:CompanyIDType Cardinality: 0..1 EN 16931-ID: BT-61 Example DE129273398 201/123/12340	
cac:TaxScheme	
Status: R Path: <i>Invoice/cac:PayeeParty/cac:PartyTaxScheme/cac:TaxScheme</i> Data Type: cac:TaxSchemeType Cardinality: 1..1	

Details - XRechnung UBL 2.1 schema

cbc:ID	Type of payee number , code
<p>Status: R Path: <i>Invoice/cac:PayeeParty/cac:PartyTaxScheme/cac:TaxScheme/cbc:ID</i> Data Type: cbc:IDType Synonym: VAT Id (VAT) Cardinality: 1..1 EN 16931-ID: BT-61</p>	
Example VAT	
cac:TaxRepresentativeParty	Seller tax representative party
<p>Status: D Path: <i>Invoice/cac:TaxRepresentativeParty</i> Data Type: cac:PartyType Synonym: Party declaring the Value Added Tax Cardinality: 0..1</p>	
<p>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.</p>	
EN 16931-ID: BG-11	
cac:PartyIdentification	
<p>Status: O Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyIdentification</i> Data Type: cac:PartyIdentificationType Cardinality: 0..n</p>	
cbc:ID	BMW supplier/seller number tax representative
<p>Status: O Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyIdentification/cbc:ID</i> Data Type: cbc:IDType Synonym: Supplier identification assigned by the customer 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.</p>	
Example 12345678	
cac:PartyName	
<p>Status: R Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyName</i> Data Type: cac:PartyNameType Cardinality: 1..n</p>	
cbc:Name	Company name of the Tax representative
<p>Status: R Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyName/cbc:Name</i> Data Type: cbc:NameType Length: 1 ... 70 Cardinality: 1..1</p>	
EN 16931-ID: BT-62	
Example Steuer GmbH	
cac:PostalAddress	Complete address of the Tax representative
<p>Status: R Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress</i> Data Type: cac:AddressType Cardinality: 1..1</p>	
EN 16931-ID: BG-12	

Details - XRechnung UBL 2.1 schema

cbc:Postbox	Post box, Tax representative
Status: O	
Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:Postbox</i>	
Data Type: cbc:PostboxType	
Length: 1 ... 17	
Cardinality: 0..1	
Example 13629	
cbc:StreetName	Street , part 1
Status: R	
Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:StreetName</i>	
Data Type: cbc:StreetNameType	
Length: 1 ... 35	
Cardinality: 1..1	
EN 16931-ID: BT-64	
Example Steuerstraße 20	
cbc:AdditionalStreetName	Street , part 2
Status: O	
Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:AdditionalStreetName</i>	
Data Type: cbc:AdditionalStreetNameType	
Length: 1 ... 35	
Cardinality: 0..1	
EN 16931-ID: BT-65	
Example Haus 1	
cbc:CityName	City
Status: R	
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	
cbc:PostalZone	Postcode
Status: R	
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	
cac:Country	
Status: R	
Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cac:Country</i>	
Data Type: cac:CountryType	
Cardinality: 1..1	
cbc:IdentificationCode	Country code
Status: R	
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	

Details - XRechnung UBL 2.1 schema

cac:PartyTaxScheme	Details on tax registration									
Status: R Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyTaxScheme</i> Data Type: <i>cac:PartyTaxSchemeType</i> Cardinality: 1..n										
cbc:CompanyID	VAT or tax registration number, tax representative Tax registration number, tax representative									
Status: R D Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyTaxScheme/cbc:CompanyID</i> Data Type: <i>cbc:CompanyIDType</i> Length: 1 ... 35 Cardinality: 1..1 EN 16931-ID: BT-63 Example DE123456789 201/123/12340										
cac:TaxScheme										
Status: R Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyTaxScheme/cac:TaxScheme</i> Data Type: <i>cac:TaxSchemeType</i> Cardinality: 1..1										
cbc:ID	Type of number , code									
Status: R Path: <i>Invoice/cac:TaxRepresentativeParty/cac:PartyTaxScheme/cac:TaxScheme/cbc:ID</i> Data Type: <i>cbc:IDType</i> Synonym: VAT Id (VAT), tax Id or fiscal number (TAX) Cardinality: 1..1 Example VAT Codelist: <table><tr><td>Allowed codes:</td><td><i>Code</i></td><td><i>Codename</i></td></tr><tr><td></td><td>TAX</td><td></td></tr><tr><td></td><td>VAT</td><td></td></tr></table>		Allowed codes:	<i>Code</i>	<i>Codename</i>		TAX			VAT	
Allowed codes:	<i>Code</i>	<i>Codename</i>								
	TAX									
	VAT									
cac:Delivery	Ship To / Delivery									
Status: D Path: <i>Invoice/cac:Delivery</i> Data Type: <i>cac:DeliveryType</i> Cardinality: 0..n EN 16931-ID: BG-13										
cbc:ActualDeliveryDate	Delivery Note Date, document									
Status: O Path: <i>Invoice/cac:Delivery/cbc:ActualDeliveryDate</i> Data Type: <i>cbc:ActualDeliveryDateType</i> Synonym: Delivery Date Cardinality: 0..1 Usage: format: yyyy-MM-dd(+/-)hh:mm EN 16931-ID: BT-72 Example 2020-01-01+00:00										
cac:DeliveryLocation	Complete address of the delivery location									
Status: R Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation</i> Data Type: <i>cac:LocationType</i> Cardinality: 1..1 EN 16931-ID: BG-15										

Details - XRechnung UBL 2.1 schema

cbc:ID	BMW Business Area Code
Status: D Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation/cbc:ID</i> Data Type: cbc:IDType Cardinality: 0..1 EN 16931-ID: BT-71 Example A1	
cac:Address	Details on ship to address
Status: O Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address</i> Data Type: cac:AddressType Cardinality: 0..1	
cbc:StreetName	Street , part 1
Status: R Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:StreetName</i> Data Type: cbc:StreetNameType Length: 1 ... 35 Cardinality: 1..1 EN 16931-ID: BT-75 Example Knorrstraße 147	
cbc:CityName	City
Status: R 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	
cbc:PostalZone	Postcode, buyer
Status: R 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	
cac:Country	Country
Status: R Path: <i>Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cac:Country</i> Data Type: cac:CountryType Cardinality: 1..1	
cbc:IdentificationCode	Country code, ship to
Status: R 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	
cac:DeliveryParty	
Status: O Path: <i>Invoice/cac:Delivery/cac:DeliveryParty</i> Data Type: cac:PartyType Cardinality: 0..1	

Details - XRechnung UBL 2.1 schema

cac:PartyName					
Status: R					
Path: <i>Invoice/cac:Delivery/cac:DeliveryParty/cac:PartyName</i>					
Data Type: <i>cac:PartyNameType</i>					
Cardinality: 1..n					
cbc:Name	Company Name, ship to				
Status: R					
Path: <i>Invoice/cac:Delivery/cac:DeliveryParty/cac:PartyName/cbc:Name</i>					
Data Type: <i>cbc:NameType</i>					
Length: 1 ... 35					
Cardinality: 1..1					
EN 16931-ID: BT-70					
Example BMW AG, Werk 1					
cac:PaymentMeans	Details on payment means				
Status: R					
Path: <i>Invoice/cac:PaymentMeans</i>					
Data Type: <i>cac:PaymentMeansType</i>					
Cardinality: 1..n					
EN 16931-ID: BG-16					
cbc:PaymentMeansCode	Payment means, code				
Status: R					
Path: <i>Invoice/cac:PaymentMeans/cbc:PaymentMeansCode</i>					
Data Type: <i>cbc:PaymentMeansCodeType</i>					
Length: 2 ... 3					
Cardinality: 1..1					
Usage: Codelist UN/ECE 4461					
Remark: BMW sends always the code "ZZZ"					
EN 16931-ID: BT-81					
Example ZZZ					
Codelist: UN/ECE 4461					
Allowed codes:	<table> <tr> <th>Code</th><th>Codename</th></tr> <tr> <td>ZZZ</td><td>Mutually defined</td></tr> </table>	Code	Codename	ZZZ	Mutually defined
Code	Codename				
ZZZ	Mutually defined				
cac:PayerFinancialAccount					
Path: <i>Invoice/cac:PaymentMeans/cac:PayerFinancialAccount</i>					
Data Type: <i>cac:FinancialAccountType</i>					
Cardinality: 0..1					
cbc:ID	IBAN, buyer				
Status: R					
Path: <i>Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cbc:ID</i>					
Data Type: <i>cbc:IDType</i>					
Cardinality: 1..1					
Usage: IBAN / Account number at the financial institution where this account is held					
Example DE12345678901234567890					
cbc:Name	Name of account holder				
Status: O					
Path: <i>Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cbc:Name</i>					
Data Type: <i>cbc:NameType</i>					
Cardinality: 0..1					
Usage: Name of the official account holder, as registered with a financial institution					
Example BMW AG					
cac:FinancialInstitutionBranch					
Path: <i>Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cac:FinancialInstitutionBranch</i>					
Data Type: <i>cac:BranchType</i>					
Cardinality: 0..1					

Details - XRechnung UBL 2.1 schema

cbc:ID	BIC, Bank identifier
<p>Status: O</p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cac:FinancialInstitutionBranch/cbc:ID</i></p> <p>Data Type: cbc:IDType</p> <p>Synonym: SWIFT</p> <p>Cardinality: 0..1</p> <p>Example DEUTDEMMXXX</p>	
cbc:Name	Bank name
<p>Status: O</p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cac:FinancialInstitutionBranch/cbc:Name</i></p> <p>Data Type: cbc:NameType</p> <p>Cardinality: 0..1</p> <p>Example Deutsche Bank München</p>	
cac:PayeeFinancialAccount	Seller's bank account
<p>Status: D</p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount</i></p> <p>Data Type: cac:FinancialAccountType</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>	
cbc:ID	IBAN, payee
<p>Status: R</p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cbc:ID</i></p> <p>Data Type: cbc:IDType</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>	
cbc:Name	Name of account holder
<p>Status: O</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> <p>Example Lieferant GmbH</p>	
cac:FinancialInstitutionBranch	Seller's financial institution
<p>Status: D</p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch</i></p> <p>Data Type: cac:BranchType</p> <p>Cardinality: 0..1</p>	

Details - XRechnung UBL 2.1 schema

└	cbc:ID	BIC, Bank identifier
	<p>Status: O</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>Note: ID of the payment service provider</p> <p>Example DEUTDEMMXXX</p>	
└	cbc:Name	Bank name
	<p>Status: O</p> <p>Path: <i>Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch/cbc:Name</i></p> <p>Data Type: cbc:NameType</p> <p>Cardinality: 0..1</p> <p>Example Deutsche Bank München</p>	
└	cac:PaymentTerms	Details on payment terms
	<p>Status: D</p> <p>Path: <i>Invoice/cac:PaymentTerms</i></p> <p>Data Type: cac:PaymentTermsType</p> <p>Cardinality: 0..n</p>	
└	cbc:Note	Payment terms, free text
	<p>Status: D</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>	
└	cac:PrepaidPayment	
	<p>Status: O</p> <p>Path: <i>Invoice/cac:PrepaidPayment</i></p> <p>Data Type: cac:PaymentType</p> <p>Cardinality: 0..n</p>	
└	cbc:PaidAmount	Prepaid amount
	<p>Status: O</p> <p>Path: <i>Invoice/cac:PrepaidPayment/cbc:PaidAmount</i></p> <p>Data Type: cbc:PaidAmountType</p> <p>Synonym: Down payment</p> <p>Cardinality: 0..1</p> <p>Usage: This field can be used for indication of received prepayments</p> <p>Example 100</p>	
└	currencyID	Currency (code)
	<p>Status: R</p> <p>Path: <i>Invoice/cac:PrepaidPayment/cbc:PaidAmount/@currencyID</i></p> <p>Data Type: xs:normalizedString</p> <p>Remark: ISO 4217 codelist</p> <p>Use: required</p> <p>Example EUR</p>	

Details - XRechnung UBL 2.1 schema

cac:AllowanceCharge

Allowances or charges on Header/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 the 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

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 Freight costs

cbc:MultiplierFactorNumeric

Allowance or charge, in percent

Status: **O**

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

Data Type: *cbc:MultiplierFactorNumericType*

Cardinality: 0..1

EN 16931-ID: BT-97, BT-101

Example 7.00

cbc:Amount

Allowance or charge, monetary amount

Status: **R**

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

Data Type: *cbc:AmountType*

Cardinality: 1..1

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

Example 10.00

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

cac:TaxExchangeRate	Home currency
<p>Status: D</p> <p>Path: <i>Invoice/cac:TaxExchangeRate</i></p> <p>Data Type: <i>cac:ExchangeRateType</i></p> <p>Synonym: Home currency</p> <p>Cardinality: 0..1</p> <p>Usage: In some countries it is a requirement that, for invoicing in foreign currency, the invoice taxable and tax (e.g. VAT) amounts must also be expressed in home currency. Relating this to this segment, authorities would require the invoicing currency and the home currency to be shown, together with the rate of exchange.</p> <p>EN 16931-ID: BT-6</p> <p>Example USD</p>	
cbc:SourceCurrencyCode	Home currency, code
<p>Status: R</p> <p>Path: <i>Invoice/cac:TaxExchangeRate/cbc:SourceCurrencyCode</i></p> <p>Data Type: <i>cbc:SourceCurrencyCodeType</i></p> <p>Cardinality: 1..1</p> <p>Usage: currency, ISO 4217 3 alpha Codelist</p> <p>EN 16931-ID: BT-6</p> <p>Example USD</p>	
cbc:TargetCurrencyCode	Invoice currency, code
<p>Status: R</p> <p>Path: <i>Invoice/cac:TaxExchangeRate/cbc:TargetCurrencyCode</i></p> <p>Data Type: <i>cbc:TargetCurrencyCodeType</i></p> <p>Cardinality: 1..1</p> <p>Usage: currency, ISO 4217 3 alpha Codelist</p> <p>Example EUR</p>	
cbc:CalculationRate	Exchange rate
<p>Status: O</p> <p>Path: <i>Invoice/cac:TaxExchangeRate/cbc:CalculationRate</i></p> <p>Data Type: <i>cbc:CalculationRateType</i></p> <p>Cardinality: 0..1</p> <p>Usage: Exchange rate between the invoice currency and the home(domestic) currency</p> <p>Note: 1 EUR = 1.0896 USD</p> <p>Example 1.0896</p>	
cbc:Date	Rate of exchange date/time
<p>Status: O</p> <p>Path: <i>Invoice/cac:TaxExchangeRate/cbc:Date</i></p> <p>Data Type: <i>cbc:DateType</i></p> <p>Cardinality: 0..1</p> <p>Usage: Exchange rate between the invoice currency and the home(domestic) currency format: yyyy-MM-dd(+/-)hh:mm</p> <p>Example 2020-01-01+00:00</p>	
cac:TaxTotal	Grouping details on trade tax
<p>Status: R</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>	

Details - XRechnung UBL 2.1 schema

cbc:TaxAmount	Tax total amount
Status: R Path: <i>Invoice/cac:TaxTotal/cbc:TaxAmount</i> Data Type: cbc:TaxAmountType Cardinality: 1..1 EN 16931-ID: BT-110	
currencyID	Currency, code
Status: R Path: <i>Invoice/cac:TaxTotal/cbc:TaxAmount/@currencyID</i> Data Type: xs:normalizedString Usage: Tax amount in Invoice currency, ISO 4217 3 alpha Codelist Use: required Example EUR	
cac:TaxSubtotal	Total taxable and tax amount per tax rate
Status: R Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal</i> Data Type: cac:TaxSubtotalType Cardinality: 1..n Note: VAT breakdown	
cbc:TaxableAmount	Total taxable amount per tax rate
Status: R Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxableAmount</i> Data Type: cbc:TaxableAmountType Cardinality: 1..1 EN 16931-ID: BT-116 Example 2373.86	
currencyID	Currency (code)
Status: R Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxableAmount/@currencyID</i> Data Type: xs:normalizedString Remark: ISO 4217 codelist Use: required Example EUR	
cbc:TaxAmount	Total tax amount per tax rate
Status: R Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxAmount</i> Data Type: cbc:TaxAmountType Synonym: tax amount Cardinality: 1..1 Usage: The total amount payable for the specific VAT category and rate EN 16931-ID: BT-117 Example 451.03	
currencyID	Currency (code)
Status: R Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxAmount/@currencyID</i> Data Type: xs:normalizedString Remark: ISO 4217 codelist Use: required Example EUR	
cac:TaxCategory	
Status: R Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory</i> Data Type: cac:TaxCategoryType Cardinality: 1..1	

Details - XRechnung UBL 2.1 schema

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

cbc:Percent

The tax rate (numeric)

Status: **R**

Path: *Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Percent*

Data Type: cbc:PercentType

Synonym: Tax rate percentage

Cardinality: 1..1

EN 16931-ID: BT-119

Example 19.00

cbc:TaxExemptionReason

Reason for tax exempt, free text

Status: **D**

Path: *Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReason*

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

Details - XRechnung UBL 2.1 schema

cac:TaxScheme	<p>Status: R Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme</i> Data Type: <i>cac:TaxSchemeType</i> Cardinality: 1..1</p>	tax type, code
cbc:ID	<p>Status: R Path: <i>Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:ID</i> Data Type: <i>cbc:IDType</i> Cardinality: 1..1 Usage: Fix value = "VAT" EN 16931-ID: BT-118-0 Example VAT Codelist: UNTDID 5153 Allowed codes: <i>Code</i> <i>Codename</i> VAT</p>	
cac:LegalMonetaryTotal	<p>Status: R Path: <i>Invoice/cac:LegalMonetaryTotal</i> Data Type: <i>cac:MonetaryTotalType</i> Cardinality: 1..1 EN 16931-ID: BG-22</p>	Detail of document totals
cbc:LineExtensionAmount	<p>Status: R Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:LineExtensionAmount</i> Data Type: <i>cbc:LineExtensionAmountType</i> Cardinality: 1..1 Usage: Sum of net amounts from all lines EN 16931-ID: BT-106 Example 2373.86</p>	Line total amount, value
currencyID	<p>Status: R Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:LineExtensionAmount/@currencyID</i> Data Type: <i>xs:normalizedString</i> Remark: ISO 4217 codelist Use: required Example EUR</p>	Currency (code)
cbc:TaxExclusiveAmount	<p>Status: R Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:TaxExclusiveAmount</i> Data Type: <i>cbc:TaxExclusiveAmountType</i> Synonym: total net amount Cardinality: 1..1 Usage: Sum of line total amount + charge totals – allowance totals EN 16931-ID: BT-109 Note: Invoice total amount without VAT Example 2373.86</p>	Tax basis total amount, value

Details - XRechnung UBL 2.1 schema

currencyID	Currency (code)
<p>Status: R</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>	
cbc:TaxInclusiveAmount	Invoice total amount, value
<p>Status: R</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>	
currencyID	Currency (code)
<p>Status: R</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>	
cbc:AllowanceTotalAmount	Allowance total amount, value
<p>Status: O</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 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>	
currencyID	Currency (code)
<p>Status: R</p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:AllowanceTotalAmount/@currencyID</i></p> <p>Data Type: xs:normalizedString</p> <p>Remark: ISO 4217 codelist</p> <p>Use: required</p> <p>Example EUR</p>	
cbc:ChargeTotalAmount	Charge total amount, value
<p>Status: O</p> <p>Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:ChargeTotalAmount</i></p> <p>Data Type: cbc:ChargeTotalAmountType</p> <p>Cardinality: 0..1</p> <p>Usage: Sum of charges defined on document level</p> <p>EN 16931-ID: BT-108</p> <p>Example 0.00</p>	

Details - XRechnung UBL 2.1 schema

currencyID	Currency (code)
<p>Status: R Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:ChargeTotalAmount/@currencyID</i> Data Type: xs:normalizedString Remark: ISO 4217 codelist Use: required Example EUR</p>	
cbc:PrepaidAmount	Prepaid amount
<p>Status: O 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</p>	
currencyID	Currency (code)
<p>Status: R Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:PrepaidAmount/@currencyID</i> Data Type: xs:normalizedString Remark: ISO 4217 codelist Use: required Example EUR</p>	
cbc:PayableAmount	Due payable amount, value
<p>Status: R 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 EN 16931-ID: BT-115 Example 2824.89</p>	
currencyID	Currency (code)
<p>Status: R Path: <i>Invoice/cac:LegalMonetaryTotal/cbc:PayableAmount/@currencyID</i> Data Type: xs:normalizedString Remark: ISO 4217 codelist Use: required Example EUR</p>	
cac:InvoiceLine	Line item section
<p>Status: R Path: <i>Invoice/cac:InvoiceLine</i> Data Type: cac:InvoiceLineType Cardinality: 1..n EN 16931-ID: BG-25</p>	
cbc:ID	Line item identifier
<p>Status: R Path: <i>Invoice/cac:InvoiceLine/cbc:ID</i> Data Type: cbc:IDType Length: 1 ... 5 Cardinality: 1..1 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. EN 16931-ID: BT-126 Example 1</p>	

Details - XRechnung UBL 2.1 schema

cbc:Note

Line item free text

Status: **O**
 Path: *Invoice/cac:InvoiceLine/cbc:Note*
 Data Type: cbc:NoteType
 Length: 1 ... 250
 Cardinality: 0..n
 EN 16931-ID: BT-127

Example Item free text abcd

cbc:InvoicedQuantity

Invoiced quantity

Status: **R**
 Path: *Invoice/cac:InvoiceLine/cbc:InvoicedQuantity*
 Data Type: cbc:InvoicedQuantityType
 Synonym: Billed quantity
 Cardinality: 1..1
 EN 16931-ID: BT-129

Example 1.00

unitCode

unit of measure

Status: **R**
 Path: *Invoice/cac:InvoiceLine/cbc:InvoicedQuantity/@unitCode*
 Data Type: xs:normalizedString
 Length: 1 ... 3
 Usage: Codeliste ISO 4217
 Use: required

Example C62

Codelist: Codeliste ISO 4217

Allowed codes:	Code	Codename
	C62	Piece
	CMK	Square centimeter
	CMT	Centimeter
	DAY	Day
	E20	Megabyte
	HAR	Hectare
	HUR	Hour
	KGM	Kilogram
	KMT	Kilometer
	KWH	Kilowatt hours
	KWT	Kilowatt
	LS	Lump sum
	LTR	Liter
	MIN	Minute (unit of time)
	MMK	Square millimeter
	MMT	Millimeter
	MTK	Square meter
	MTQ	Cubic meter
	MTR	Meter
	NAR	Number of articles
	NPR	Number of pairs
	SET	Set
	TNE	Tonne (metric ton)
	WEE	Week

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: **O**

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

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: **O**

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

Data Type: cac:OrderReferenceType

Cardinality: 0..1

cbc:ID

order number

Status: **R**

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

Data Type: cbc:IDType

Cardinality: 1..1

Example F37PNPF

Details - XRechnung UBL 2.1 schema

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: O Path: Invoice/cac:InvoiceLine/cac:Delivery Data Type: cac:DeliveryType Cardinality: 0..n		
cbc:ID		Delivery note number, line item
Status: D Path: Invoice/cac:InvoiceLine/cac:Delivery/cbc:ID Data Type: cbc:IDType Cardinality: 0..1 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: O Path: Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress Data Type: cac:AddressType Cardinality: 0..1		
cbc:ID		BMW Plant Code
Status: O Path: Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cbc:ID Data Type: cbc:IDType Cardinality: 0..1 Usage: BMW is sending different plant codes compared to VDA4905 / VDA4913. Following codelist is for your reference: New code <=> Old code EN 16931-ID: BT-71 Example A120 Codelist:		
Allowed codes:		
Code	Codename	
A1	001	
A101	001	
A110	010	
A111	010	
A115	015	
A116	016	
A117	017	
A120	020	
A121	021	
A123	020	
A130	030	
A131	030	
A140	040	
A141	041	

Details - XRechnung UBL 2.1 schema

Codelist:

Allowed codes:	Code	Codename
	A147	040
	A148	040
	A149	049
	A150	070
	A160	060
	A162	060
	A163	163
	A164	164
	A165	WKD
	A166	060
	A167	167
	A168	060
	A170	007
	A180	080
	A190	020
	A1C5	WKD
	A1F2	020
	A1F3	030
	A1F4	040
	A1U0	1U0
	B700	008
	BXA	001
	BXB	001
	BXD	001
	BXE	001
	BXF	001
	BXG	001
	C100	092
	C5	C5
	CX10	CX1
	CXA	001
	CXB	001
	DC17	170
	DGA	001
	DXA	001
	DXB	001
	DXC	001
	DXD	001
	DXE	001
	DXF	001
	DXG	001
	DXH	001
	DXI	001
	DXK	001
	FIA	001
	FXA	001
	FXB	001
	FXD	001
	FXE	001
	FXF	001
	FXH	001
	FXI	001
	FXX	001
	FXL	001
	FXM	001
	FXN	001
	FXS	001
	HHA	001
	HHB	001
	HHC	001
	HHD	001

Details - XRechnung UBL 2.1 schema

Codelist:

Allowed codes:	Code	Codename
	HHE	001
	HHG	001
	HHH	001
	HXA	001
	HXB	001
	HXC	001
	HXD	001
	HXE	001
	HXF	001
	HXG	001
	I800	001
	LXA	001
	LXB	001
	LXC	001
	LXD	001
	LXE	001
	LXF	001
	LXG	001
	MU	080
	MU80	080
	MXA	001
	MXB	001
	MXC	001
	MXD	001
	MXE	001
	MXF	001
	MXG	001
	MXH	001
	MXI	001
	MXK	001
	MXL	001
	MXV	001
	NXA	001
	NXB	001
	NXC	001
	NXD	001
	NXE	001
	OMI	170
	OMP	170
	RXA	001
	SBA	001
	SBB	001
	SBC	001
	SBE	001
	SXA	001
	SXB	001
	SXC	001
	SXD	001
	SXE	001
	SXG	001
	SXH	001
	SXK	001
	SXL	001

cbc:StreetName

Street

Status: O

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

Data Type: cbc:StreetNameType

Length: 1 ... 35

Cardinality: 0..1

Example Knorrstraße 147

Details - XRechnung UBL 2.1 schema

cbc:CityName	City
Status: O	
Path: <i>Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cbc:CityName</i>	
Data Type: cbc:CityNameType	
Length: 1 ... 35	
Cardinality: 0..1	
Example München	
cbc:PostalZone	Postcode, buyer
Status: O	
Path: <i>Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cbc:PostalZone</i>	
Data Type: cbc:PostalZoneType	
Length: 1 ... 17	
Cardinality: 0..1	
Example 80788	
cac:Country	
Status: O	
Path: <i>Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cac:Country</i>	
Data Type: cac:CountryType	
Cardinality: 0..1	
cbc:IdentificationCode	Country code, ship to
Status: R	
Path: <i>Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryAddress/cac:Country/cbc:IdentificationCode</i>	
Data Type: cbc:IdentificationCodeType	
Length: 2 ... 2	
Cardinality: 1..1	
Usage: Use ISO3166 two alpha codelist	
Example DE	
cac:DeliveryTerms	Details on delivery terms
Status: O	
Path: <i>Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryTerms</i>	
Data Type: cac:DeliveryTermsType	
Cardinality: 0..n	
cbc:ID	Delivery type (Code)
Status: R	
Path: <i>Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryTerms/cbc:ID</i>	
Data Type: cbc:IDType	
Synonym: Incoterms	
Cardinality: 1..1	
Example EXW	
cbc:SpecialTerms	Delivery type - free text
Status: O	
Path: <i>Invoice/cac:InvoiceLine/cac:Delivery/cac:DeliveryTerms/cbc:SpecialTerms</i>	
Data Type: cbc:SpecialTermsType	
Synonym: Incoterms - additional information	
Cardinality: 0..n	
Example INCDEU	

Details - XRechnung UBL 2.1 schema

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
 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

cac:Item

Description of article or service

Status: **R**
 Path: *Invoice/cac:InvoiceLine/cac:Item*
 Data Type: cac:ItemType
 Cardinality: 1..1
 EN 16931-ID: BG-31

Details - XRechnung UBL 2.1 schema

cbc:Description

Description of article or service

Status: **R**
 Path: *Invoice/cac:InvoiceLine/cac:Item/cbc:Description*
 Data Type: cbc:DescriptionType
 Length: 1 ... 250
 Cardinality: 1..n
 Usage: The short name or description of an article or service in plain text.
 EN 16931-ID: BT-154
 Example Motor, 6 cylinder

cbc:Name

Name of article or service

Status: **R**
 Path: *Invoice/cac:InvoiceLine/cac:Item/cbc:Name*
 Data Type: cbc:NameType
 Length: 1 ... 250
 Cardinality: 1..1
 Usage: The name of an article or service in plain text.
 EN 16931-ID: BT-153
 Example SIMOTICS SD 1LE15 IEC-LV-MOTOR IE4

cbc:ModelName

VIN

Status: **O**
 Path: *Invoice/cac:InvoiceLine/cac:Item/cbc:ModelName*
 Data Type: cbc:ModelNameType
 Synonym: VIN chassis number
 Cardinality: 0..n
 Example WBA11AB0403L72036

cac:BuyersItemIdentification

Buyer article number

Status: **O**
 Path: *Invoice/cac:InvoiceLine/cac:Item/cac:BuyersItemIdentification*
 Data Type: cac:ItemIdentificationType
 Synonym: item number
 Cardinality: 0..1

cbc:ID

Buyer article number

Status: **O**
 Path: *Invoice/cac:InvoiceLine/cac:Item/cac:BuyersItemIdentification/cbc:ID*
 Data Type: cbc:IDType
 Length: 1 ... 10
 Synonym: item number
 Cardinality: 1..1
 Usage: Information directly relating to the identification of an article by the buyer's 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-156
 Example 1234567-12

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

Details - XRechnung UBL 2.1 schema

cbc:ID

Supplier / seller article number

Status: **O**

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

Data Type: cbc:IDType

Cardinality: 1..1

EN 16931-ID: BT-155

Example 1LE1504-1EB43-4AB4

cac:OriginCountry

Details of product origin

Status: **D**

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

Data Type: cac:CountryType

Cardinality: 0..1

Remark: Must be sent only if this information is required by law.

cbc:IdentificationCode

Country of origin

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:OriginCountry/cbc:IdentificationCode*

Data Type: cbc:IdentificationCodeType

Cardinality: 1..1

Usage: The country code that indicates the country from which the goods originate or where the service is provided ISO 3166-1 code list

EN 16931-ID: BT-159

Example DE

cac:ClassifiedTaxCategory

Line item tax information

Status: **R**

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

Data Type: cac:TaxCategoryType

Cardinality: 1..n

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 —

Details - XRechnung UBL 2.1 schema

Codelist: UNCL5305

Allowed codes:	Code	Codename
		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

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

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

EN 16931-ID: BT-152

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
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VAT

cac:AdditionalItemProperty

Additional item information

Status: **O**

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

Data Type: cac:ItemPropertyType

Cardinality: 0..n

EN 16931-ID: BG-32

cbc:Name

Name of additional item information, text

Status: **R**

Path: *Invoice/cac:InvoiceLine/cac:Item/cac:AdditionalItemProperty/cbc:Name*

Data Type: cbc:NameType

Cardinality: 1..1

EN 16931-ID: BT-160

Example Zylinder

Details - XRechnung UBL 2.1 schema

cbc:Value

Value of additional item information, text

Status: **R**
 Path: *Invoice/cac:InvoiceLine/cac:Item/cac:AdditionalItemProperty/cbc:Value*
 Data Type: cbc:ValueType
 Cardinality: 1..1
 EN 16931-ID: BT-161
 Example 6

cac:Price

Price details

Status: **R**
 Path: *Invoice/cac:InvoiceLine/cac:Price*
 Data Type: cac:PriceType
 Cardinality: 1..1
 EN 16931-ID: BG-29

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: 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.
 price for 1 piece -> price = 0.0664
 price for 100 piece -> price = 6.64
 EN 16931-ID: BT-149-0
 Example 1