

**Ministarstvo gospodarstva,
rada i poduzetništva
Republike Hrvatske**

Povjerenstvo za e-Račun

Specifikacija elektroničkog računa

n a c r t

Verzija 0.1.

POVIJEST DOKUMENTA

Verzija	Datum promjene	Promijenjena poglavlja	Opis promjene
0.1	Prosinac 2009	-	početni tekst

PRILOŽENI DOKUMENTI

Naziv	Dokument
e-Račun Informacijski model 2009-12-23.xls	
e-Račun XML Scheme.zip	

STATUS DOKUMENTA

Dokument donosi prijedlog specifikacije elektroničkog računa i služi kao podloga za javnu raspravu. Dokument je podložen promjenama u svakom svom dijelu.

ZAHVALE

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Uvod

Svrha specifikacije e-Računa je definiranje formata elektroničkog računa i semantičkih značenja elemenata koji se u njemu koriste. Očekuje se da će ovaj format računa udovoljiti potrebama većina računa, a specifikacija je otvorena za proširenja, ako se za to ukaže potreba.

Prvi korak u izradi hrvatske norme za elektronički račun je definiranje informacijskog modela e-Računa koji će zadovoljiti većinu slučajeva korištenja. Informacijski model e-Računa je neovisan o implementacijskoj tehnologiji.

Drugi korak je preslikavanje elemenata informacijskog modela e-Računa na elemente u odabranoj međunarodnoj normi. Prva verzija računa temelji se na međunarodnoj normi UBL 2.0¹ (Universal Business Language v. 2.0). Specifikacija e-Računa je podskup norme UBL napravljen prema pravilima definiranim u dokumentu UBL Guidelines for Customization Version 0.92². Norma UBL 2.0 je odabrana jer je zrela norma koja je implementirana u više europskih država od kojih posebno navodimo Dansku.

Povjerenstvo za e-Račun aktivno prati situaciju vezano uz prihvaćanje norme UN/CEFACT Cross Industry Invoicing (CII) v.2.0. Norma CII v.2.0 prihvaćena je u studenom i preporučena je od strane Ekspertne skupine za elektronički račun koja radi za Europsku komisiju. Značajno je da normu CII v.2.0 podržava GS1. Budući da se radi o novoj normi za koju još ne postoje implementacije odlučili smo da je u ovom trenutku bolji izbor norma UBL 2.0. Budući da je e-Račun definiran kao informacijski model neovisan o implementacijskoj tehnologiji, to omogućava jednostavan prijelaz na novu normu preslikavanjem elemenata informacijskog modela na novu normu.

Prilikom razrade elemenata računa konzultirana je zakonska regulativa u RH kao i stanje i smjernice u EU i svijetu. Referentni dokumenti u kojem se određuje sadržaj elektroničkog računa su UN/CEFACT-a Business Requirements Specifications (BRS) Cross Industry Invoicing Process, CEN CWA 15668: Business requirements specification - Cross industry invoicing process i CEN CWA 15575: The list of invoice content details identified in the directive 2001/115/EC expressed as UN/CEFACT Core Components.

Prilikom definiranja elemenata računa konzultirani su različiti pristupi u Europskoj Uniji:

- UBL NES³ – Danska, Norveška, Švedska, Velika Britanija, Finska i Island,
- OIOUBL⁴ - Danska,
- FINVOICE⁵ – Finska, Belgija
- E-SLOG⁶ - Slovenija
- UBLTR⁷ - Turska.

¹ <http://docs.oasis-open.org/ubl/cs-UBL-2.0/UBL-2.0.html>

² <http://www.oasis-open.org/committees/download.php/29263/custguide092.pdf>

³ <http://www.nesubl.eu/>

⁴ <http://www.oioubl.info/Classes/en/Invoice.html>

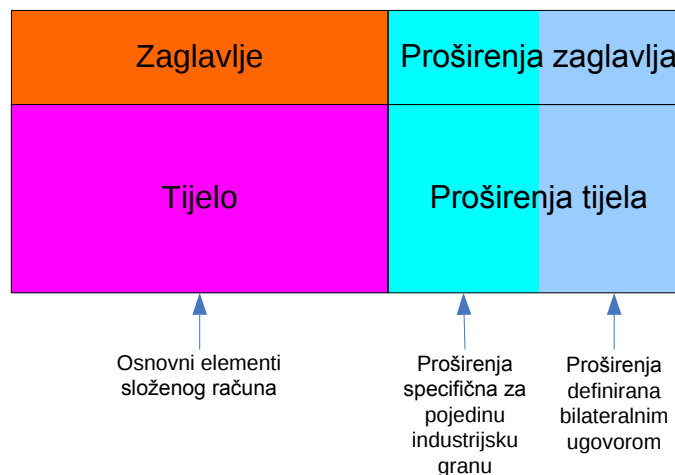
⁵ <http://www.finvoice.eu/en-US/european-standard.php>

⁶ <http://www.gzs.si/slo/6679>

Struktura dokumenta je sljedeća: Najprije je prikazana osnovna struktura elektroničkog računa te su nabrojani obavezni elementi koje svi računi moraju sadržavati. Nakon toga je predstavljena norma UBL i ukratko opisan postupak izrade podskupa. Zatim je prikazan informacijski model računa i njegovo preslikavanje na elemente UBL norme. Zatim su ukratko pisane XML sheme koje sačinjavaju jednostavni račun, a koje su priložene ovom dokumentu. Slijedi opis korištenih kodnih lista. Na kraju, u Prilogu 1., je detaljnije opisana norma Core Components Technical Specification v. 2.1 kao temeljna norma sa definiranje strukture i semantike poslovnih dokumenata.

Osnovna struktura elektroničkog računa

Struktura računa prikazana je na slici 1.



Slika 1. Struktura računa

Račun se sastoji od zaglavlja koje sadržava elemente koji su važeći za kompletni račun.

Tijelo računa se sastoji od stavaka računa.

E-Račun se sastoji od dijela elementa iz zaglavlja računa i dijela elemenata iz tijela računa izabranih tako da zadovolje zahtjeve većine računa.

E-Račun sadržava minimalni skup elemenata koje svaki račun treba imati i koji ispunjavaju zakonom definirani skup elemenata dok su svi ostali elementi su opcionalni

I zaglavlje i tijelo računa moguće je proširiti novim elementima. Proširenja mogu biti specifična za pojedine industrijske grane i te industrijske grane su odgovorne za definiciju i održavanje takvih proširenja. Bilo koje dvije strane mogu dodatno proširiti i zaglavlje i tijelo računa novim elementima koji su propisani bilateralnim ugovorom između tih strana.

Obavezni elementi računa

Obavezni elementi računa prikazani su tablicama 1., 2., i 3. Osim obaveznih elemenata račun se može sastojati i od dodatnih elementa koji proširuju njegov sadržaj. Tablica 4. prikazuje minimalni skup elemenata koji je preporučen od strane ekspertne skupine za

⁷ <http://www.efatura.gov.tr/web/efatura/anasayfa>

elektronički račun Europske komisije. Elementi označeni crvenom bojom nisu prisutni u našoj specifikaciji e-Računa zato jer će biti obuhvaćeni drugim poslovnim dokumentima.

Tablica 1. Elementi računa prema iz EU direktive 2001/115/EC iz dokumenta CEN CWA 15575.

R.br.	Naziv polja VAT elements in EU invoice as per CEN CWA 15575
Zaglavlje računa – Invoice header	
1	Datum izdavanja Date of issue
2	Jedinstveni redni broj računa Sequential number that uniquely identifies the invoice
3	OIB dobavljača Supplier's VAT identification number
4	OIB kupca Customer's VAT identification number (only when the customer is liable to pay the tax on supply)
5	Puno ime i adresa dobavljača Supplier's full name and address
5a	Dobavljačev ID Supplier's ID *GLN, DUNS
6	Puno ime i adresa kupca Customer's full name and address
6a	Kupčev ID Customer's ID *GLN, DUNS
7	OIB poreznog posrednika Where the person liable to pay the tax is a tax representative, his VAT ID, full name and address (conditional)
7a	ID poreznog posrednika Tax representative ID
8	Ukupni iznos PDV-a The VAT amount payable (total)
9	Raspodjela obračunatog ili oslobođenog PDV-a po stopama i iznosima The break-down of the taxable amount per VAT rate or exemption
Tijelo računa - Invoice Line	
10	Opis robe / usluga Description of goods supplied or service rendered
10a	ID ili šifra robe (Dodijeljena od dobavljača, kupca ili proizvođača) The goods identification or code *GTIN
11	Količina robe / opseg usluge Quantity or extent of the goods or services provided
12	Datum isporuke ili plaćanja The date of supply or payment (if different from the date of invoice)
13	Raspodjela obračunatog ili oslobođenog PDV-a po stopama i iznosima The break-down of the taxable amount per VAT rate or exemption
14	Primijenjena stopa PDV-a VAT rate applied ** <i>exemption code</i>

R.br.	Naziv polja VAT elements in EU invoice as per CEN CWA 15575
15	Iznos PDV-a VAT amount payable
16	Jedinična cijena robe/usluga bez poreza, popusta ili rabata (ako nije uključeno u cijenu) The unit price of the goods or services exclusive of tax, discounts or rebates (unless included in the unit price)

* CWA 15576

** CWA 15577

Tablica 2. Dodatni elementi iz Pravilnika o PDV-u i Obrasca R1/R2

Dodatna polja iz Pravilnika o PDV-u	
1	Mjesto izdavanja računa
2	Zbrojni iznos naknada
3	Mjesto isporuke
Dodatna polja iz Obrasca R1/R2	
4	Broj telefona
5	Uvjeti isporuke
6	Potpis osobe koja je sastavila račun
7	Potpis odgovorne osobe
8	Pečat prodavatelja

Tablica 3. Dodatna polja iz e-HUB obrasca

Dodatna polja iz eHUB obrasca		
1	Hitnost	
2	Kanal izvršenja	
3	Oznaka valute	Obvezan (default = HRK)
4	Datum plaćanja	Obvezan
5	Broj računa IBAN platitelja	
6	Model zaduženja	
7	Poziv na broj zaduženja	
8	Broj računa IBAN primatelja	Obvezan
9	Model odobrenja	
10	Poziv na broj odobrenja	
11	Opis plaćanja / Svrha	

Tablica 4. Minimalni skup podataka elektroničkog računa definiran od ekspertne skupine za e-Račun Europske komisije

Kardinalnost/Elementi e-Računa

1 .. 1 Context
0 .. 1 Business Process
0 .. 1 ID
0 .. 1 Master
0 .. 1 ID
0 .. 1 Subset
0 .. 1 ID
1 .. 1 Document
1 .. 1 ID

0..1	Type Code
1..1	Issue Date
0..1	Copy Indicator
0..1	Language ID
1..1	Header
1..1	Agreement
0..1	Seller
0..1	ID
0..1	Global ID
0..1	Name
0..n	Contact
0..1	Name
0..n	Telephone
0..1	Number
0..n	Fax
0..1	Number
0..1	Email
0..1	Address
0..1	Address
0..n	Postcode
0..n	Street
0..1	City
0..1	Country ID
0..1	Country Name
0..n	Country Sub-Division Name
0..n	VAT Registration
0..1	ID
0..1	Buyer
0..1	ID
0..1	Global ID
0..1	Name
0..n	Contact
0..1	Name
0..n	Telephone
0..1	Number
0..n	Fax
0..1	Number
0..1	Email
0..1	Address
0..1	Address
0..n	Postcode
0..n	Street
0..1	City
0..1	Country ID
0..1	Country Name
0..n	Country Sub-Division Name
0..1	Delivery Terms
0..1	Incoterm
0..1	Location
0..1	ID
0..1	Name
0..n	Buyer's Order Reference
0..1	Issuer Assigned ID
0..1	Issue Date
0..1	Quotation Reference
0..1	Issuer Assigned ID
0..1	Issue Date
1..1	Delivery
0..n	Related Consignment
0..1	Consignor
0..1	Name
0..1	Consignee
0..1	Name
0..n	Transport Movement
0..n	Used Transport Means
0..1	Type Code
0..1	ID

0..1	<i>Name</i>
0..1	Ship To
0..n	<i>ID</i>
0..1	<i>Name</i>
0..1	Ultimate Ship To
0..n	<i>ID</i>
0..1	<i>Name</i>
0..1	Ship From
0..n	<i>ID</i>
0..1	<i>Name</i>
0..1	Despatch
0..n	<i>Date/Time</i>
0..1	Delivery Note
0..1	<i>Issuer Assigned ID</i>
0..1	<i>Issue Date</i>
1..1	Settlement
1..n	<i>Due Payable Amount</i>
0..1	<i>Invoice Currency Code</i>
0..n	Payment Means
1..1	<i>Channel Code</i>
1..1	<i>Type Code</i>
1..1	<i>Payment Method Code</i>
0..1	Payer Financial Account
0..1	<i>IBAN ID</i>
0..1	<i>Name</i>
0..1	Payee Financial Account
0..1	<i>IBAN ID</i>
0..1	<i>Name</i>
0..1	Payer Financial Institution
0..1	<i>BIC ID</i>
0..1	<i>Name</i>
0..1	Branch
0..1	<i>ID</i>
0..1	Payee Financial Institution
0..1	<i>BIC ID</i>
0..1	<i>Name</i>
0..1	Branch
0..1	<i>ID</i>
0..n	Applicable Tax
0..n	<i>Calculated Amount</i>
0..1	<i>Type Code</i>
0..n	<i>Basis Amount</i>
0..1	<i>Tax Point Date</i>
0..n	Logistics Service Charge
0..1	<i>ID</i>
0..1	<i>Payment Arrangement Code</i>
0..n	<i>Applied Amount</i>
0..n	Payment Terms
0..1	<i>Settlement Period Measure</i>
0..1	<i>Due Date</i>
0..1	Monetary Summations
0..n	<i>Charge Total</i>
0..n	<i>Allowance Total</i>
0..n	<i>Tax Basis Total</i>
0..n	<i>Tax Total</i>
0..n	<i>Grand Total</i>
0..n	<i>Total Discount</i>
0..1	Pro-Forma Invoice Reference
0..1	<i>Issuer Assigned ID</i>
0..1	<i>Issue Date</i>
0..1	Letter Of Credit Reference
0..1	<i>Issuer Assigned ID</i>
0..1	<i>Issue Date</i>
0..n	Line Item
1..1	Line Information
1..1	<i>ID</i>
0..1	Agreement

0..n	Gross Price
1..n	<i>Amount</i>
0..1	<i>Basis Quantity</i>
0..n	Net Price
1..n	<i>Amount</i>
0..1	<i>Basis Quantity</i>
0..1	Delivery
1..1	<i>Billed Quantity</i>
0..1	<i>Charge Free Quantity</i>
0..1	<i>Package Quantity</i>
0..1	<i>Net Weight</i>
0..1	<i>Gross Weight</i>
0..n	Included Packaging
0..1	<i>Type Code</i>
0..1	<i>Type</i>
0..1	Ship To
0..n	<i>ID</i>
0..1	<i>Name</i>
1..1	Settlement
0..n	Applicable Tax
1..1	<i>Type Code</i>
1..1	<i>Rate</i>
0..1	<i>Category Code</i>
0..1	<i>Tax Point Date</i>
1..n	<i>Category Name</i>
0..1	Monetary Summations
0..n	<i>Line Total</i>
0..n	<i>Charge Total</i>
0..n	<i>Allowance Total</i>
0..n	<i>Tax Basis Total</i>
0..n	<i>Tax Total</i>
0..1	Product Details
0..n	<i>ID</i>
1..1	<i>Name</i>
0..n	<i>Description</i>
0..n	Country Of Origin
0..n	<i>ID</i>
0..n	<i>Name</i>

Informacijski model e-Računa RH

U tablici 5. prikazani su elementi informacijskog modela e-Računa. Uz ovaj dokument je priložen dokument pod nazivom „e-Račun Informacijski model 2009-12-23.xls” u kojem se u radnm listu „Informacijski model“ nalaze elementi informacijskog modela s dodatnim pojašnjenjima i njihovo preslikavanje na elemente norme UBL 2.0. Elementi informacijskog modela e-Računa prikazani u tablici 5. su povezani s pojedinim dokumentima koji zahtijevaju njihovu pojavnost u e-Računu.

Tablica 5. Informacijski model e-Računa RH

Kardinalnost	Elementi	Obavezni elementi EU direktiva 2006/112/EK	Pravilnik o PDV	Dodatna polja iz Obrasca R1/R2	e-HUB obrazac	Final e-Invoicing Report - Minimum Core Invoice data set/elements
0..1	Standard za e-Račun					
0..1	Verzija računa					
0..1	Poslovni proces					x
1..1	Jedinstveni broj računa	x	x			x
0..1	Pokazatelj kopije					x
1..1	Datum izdavanja	x	x			x
0..1	Vrsta računa					x
0..1	Napomena					
0..1	Datum na koji porez postane važeći					
0..1	Valuta					x
0..1	Broj stavaka					
0..1	Period konsolidacije					
0..1	Početak perioda					
0..1	Kraj perioda					
0..1	Referenca na narudžbu					
1..1	Broj narudžbe					
0..1	Datum narudžbe					
0..1	Referenca na otpremnicu					
1..1	Broj otpremnice					x
0..1	Datum otpremnice					x
0..1	Referenca na primku					
1..1	Broj primke					
0..1	Datum primke					
0..1	Referenca na ugovor					
1..1	Broj ugovora					
0..1	Datum ugovora					
0..1	Referenca na cjenik					
0..1	Broj cjenika					x
0..1	Datum cjenika					x
0..1	Šifra dokumenta					
0..1	Opis dokumenta					
0..1	Referenca na predračun					
0..1	Broj predračuna					x
0..1	Datum predračuna					x
0..1	Šifra dokumenta					
0..1	Opis dokumenta					

0..1	Referenca na ponudu					
0..1	Broj ponude					x
0..1	Datum ponude					x
0..1	Šifra dokumenta					
0..1	Opis dokumenta					
1..1	Dobavljač (izdaje fakturu)					
0..1	Identifikator prodavača (kupčev interni)				x	
1..1	OIB	x	x		x	
0..1	GLN	x			x	
0..1	MB		x			
0..1	Ostale šifre					
1..1	Naziv	x	x		x	
1..1	Adresa	x	x			
0..1	Format adrese					
0..1	Ulica	x	x		x	
0..1	Kućni broj	x	x		x	
0..1	Poštanski broj	x	x		x	
0..1	Mjesto	x	x		x	
0..1	Identifikator države	x	x		x	
0..1	Naziv države	x	x		x	
0..1	Identifikator pokrajine					
0..1	Naziv pokrajine					x
0..n	Adresna linija					
1..1	Mjesto izdavanja računa		x			
0..1	Odgovorna osoba			x		
0..1	Ime			x		
0..1	Prezime			x		
0..1	Funkcija koju osoba obavlja					
0..1	Organizacijska jedinica					
0..1	Kontakt-otprema					
0..1	Naziv					
0..1	Telefon					
0..1	Telefax					
0..1	E-mail					
0..1	Kontakt-računovodstvo					
0..1	Naziv				x	
0..1	Telefon			x	x	
0..1	Telefax				x	
0..1	E-mail				x	
0..1	Kontakt-prodavač					
0..1	Naziv					
0..1	Telefon					
0..1	Telefax					

0..1	E-mail					
1..1	Kupac					
0..1	Identifikator kupca (kupčev interni)					
0..1	Identifikator kupca (prodavačev interni)					
1..1	OIB	x	x		x	
0..1	GLN				x	
0..1	MB		x			
0..1	Ostale šifre		x			
1..1	Naziv	x	x		x	
1..1	Adresa					
0..1	Format adrese					
0..1	Ulica	x	x		x	
0..1	Kućni broj	x	x		x	
0..1	Poštanski broj	x	x		x	
0..1	Mjesto	x	x		x	
0..1	Identifikator države	x	x		x	
0..1	Naziv države	x	x		x	
0..1	Identifikator pokrajine					
0..1	Naziv pokrajine					x
0..n	Adresna linija					
0..1	Kontakt-računovodstvo					
0..1	Naziv				x	
0..1	Telefon				x	
0..1	Telefax				x	
0..1	E-mail				x	
0..1	Kontakt-kupac					
0..1	Naziv					
0..1	Telefon					
0..1	Telefax					
0..1	E-mail					
0..1	Kontakt-ispоруka					
0..1	Naziv					
0..1	Telefon					
0..1	Telefax					
0..1	E-mail					
0..1	Porezni posrednik					
1..1	OIB	x				
0..1	GLN	x				
0..1	MB					
0..1	Ostale šifre					
1..1	Naziv	x				
1..1	Adresa					
0..1	Format adrese					

0..1	Ulica	x				
0..1	Kućni broj	x				
0..1	Poštanski broj	x				
0..1	Mjesto	x				
0..1	Identifikator države	x				
0..1	Naziv države	x				
0..n	Adresna linija					
0..n	Isporučka					
0..1	Isporučitelj					
1..1	OIB					
0..1	GLN					
0..1	Ostale šifre					
1..1	Naziv					x
1..1	Adresa					
0..1	Format adrese					
0..1	Ulica					
0..1	Kućni broj					
0..1	Poštanski broj					
0..1	Mjesto					
0..1	Identifikator države					
0..1	Naziv države					
0..n	Adresna linija					
0..1	Preuzimatelj					
1..1	OIB					
0..1	GLN					
0..1	Ostale šifre					
1..1	Naziv					x
1..1	Adresa					
0..1	Format adrese					
0..1	Ulica					
0..1	Kućni broj					
0..1	Poštanski broj					
0..1	Mjesto					
0..1	Identifikator države					
0..1	Naziv države					
0..n	Adresna linija					
0..1	Datum isporuke	x	x			
0..1	Mjesto isporuke					
0..1	GLN					x
0..1	Adresa					
0..1	Format adrese					
0..1	Ulica					
0..1	Kućni broj					

0..1	Poštanski broj					
0..1	Mjesto		x			x
0..1	Identifikator države					
0..1	Naziv države					
0..1	Adresna linija					
0..1	Datum otpreme	x				x
0..1	Lokacija otpreme					
0..1	GLN					
0..1	Adresa					
0..1	Format adrese					
0..1	Ulica					
0..1	Kućni broj					
0..1	Poštanski broj					
0..1	Mjesto					
0..1	Identifikator države					
0..1	Naziv države					
0..1	Adresna linija					
0..n	Uvjeti isporuke			x		x
0..n	Način plaćanja					
0..1	Šifra načina plaćanja					x
0..1	Datum plaćanja	x			x	
0..1	Šifra kanala plaćanja					x
0..1	Model zaduženja				x	
0..1	Poziv na broj zaduženja				x	
0..1	Račun Primatelja					
0..1	Broj računa Primatelja				x	x
0..1	Naziv računa Primatelja					x
0..1	Podružnica banke					
0..1	Identifikator podružnice banke					x
0..1	Naziv podružnice					x
0..1	Banka					x
0..1	Naziv banke					
0..1	Račun Platitelja					
0..1	Broj računa Platitelja				x	x
0..1	Naziv računa Platitelja					x
0..1	Podružnica banke					
0..1	Identifikator podružnice banke					x
0..1	Naziv podružnice					x
0..1	Banka					x
0..1	Naziv banke					
0..n	Uvjeti plaćanja					
0..1	Datum dospijeca plaćanja					x
0..1	Postotak popusta u slučaju prijevremenog plaćanja					x

0..1	Postotak kazne u slučaju kašnjenja u plaćanju					
0..1	Iznos za koji vrijede uvjeti plaćanja					
0..1	Napomena					
0..n	Troškovi i popusti(rabati)					
1..1	Oznaka da li se radi o popustu ili trošku					
1..1	Iznos					
0..1	Osnovica za izračun					
0..1	Šifra troška ili popusta					
0..1	Opis troška ili popusta					
0..1	Postotak					
0..1	Redoslijed izračuna					
0..1	Porez na trošak					
1..1	Ukupni iznos poreza					
0..n	Razrada poreza po kategorijama					
0..1	Neto iznos koji se oporezuje					
0..1	Iznos poreza					
0..1	Redoslijed izračuna					
0..1	Kategorija poreza					
0..1	Identifikator kategorije poreza					
0..1	Naziv kategorije poreza					
0..1	Postotak poreza					
0..1	Jedinica mjere na koju se izračunava porez					
0..1	Iznos poreza po jedinici mjere					
0..1	Šifra oslobođenja od poreza					
0..1	Opis oslobođenja od poreza					
0..1	Porezna shema					
0..1	Naziv porezne sheme					
0..1	Šifra porezne sheme					
0..n	Ukupni porez					
1..1	Ukupni iznos poreza	x	x			x
0..n	Razrada poreza po kategorijama					
0..1	Neto iznos koji se oporezuje					x
0..1	Iznos poreza	x	x			x
0..1	Redoslijed izračuna					
0..1	Kategorija poreza					
0..1	Identifikator kategorije poreza					
0..1	Naziv kategorije poreza					
0..1	Postotak poreza	x	x			
0..1	Jedinica mjere na koju se izračunava porez					
0..1	Iznos poreza po jedinici mjere					
0..1	Šifra oslobođenja od poreza	x	x			
0..1	Opis oslobođenja od poreza	x	x			
0..1	Porezna shema					

0..1	Naziv porezne sheme					
0..1	Šifra porezne sheme					
1..1	Ukupni iznosi					
0..1	Ukupan neto iznos bez poreza i popusta					
0..1	Ukupan iznos bez poreza					x
0..1	Ukupan iznos uključujući porez					
0..1	Ukupna iznos popusta					x
0..1	Ukupan iznos troškova	x	x			x
0..1	Iznos plaćen unaprijed					
1..1	Ukupan iznos za platiti					x
1..n	Stavke računa					
1..1	Redni broj stavke					x
0..1	Količina (broj stvari ili usluga)	x	x			
1..1	Ukupan iznos stavke računa uključujući popus, ali bez poreza					x
0..1	Referenca na stavku narudžbe					
1..1	Broj stavke u narudžbi					
0..1	Referenca na narudžbu					
1..1	Broj narudžbe					
0..1	Datum narudžbe					
0..1	Referenca na stavku otpremnice					
1..1	Broj stavke u otpremnici					
0..1	Referenca na otpremnicu					
1..1	Broj otpremnice					
0..1	Datum otpremnice					
0..1	Referenca na stavku primke					
1..1	Broj stavke u primci					
0..1	Referenca na primku					
1..1	Broj primke					
0..1	Datum primke					
0..1	Datum isporuke	x	x			
0..1	Mjesto isporuke					
0..1	GLN					
0..1	Adresa					
0..1	Format adrese					
0..1	Ulica					
0..1	Kućni broj					
0..1	Poštanski broj					
0..1	Mjesto					
0..1	Identifikator države					
0..1	Naziv države					
0..1	Adresna linija					
0..1	Datum otpreme	x				x
0..1	Lokacija s koje se šalje roba					

0..1	GLN					
0..1	Adresa					
0..1	Format adrese					
0..1	Ulica					
0..1	Kućni broj					
0..1	Poštanski broj					
0..1	Mjesto					
0..1	Identifikator države					
0..1	Naziv države					
0..1	Adresna linija					
0..n	Troškovi i popusti(rabati)					
1..1	Oznaka da li se radi o popustu ili trošku					
1..1	Iznos	x				x
0..1	Osnovica za izračun					
0..1	Šifra troška ili popusta					
0..1	Opis troška ili popusta					
0..1	Postotak					
0..1	Redoslijed izračuna					
0..1	Porez na trošak					
1..1	Ukupni iznos poreza					
0..n	Razrada poreza po kategorijama					
0..1	Neto iznos koji se oporezuje					
0..1	Iznos poreza					
0..1	Redoslijed izračuna					
0..1	Kategorija poreza					
0..1	Identifikator kategorije poreza					
0..1	Naziv kategorije poreza					
0..1	Postotak poreza					
0..1	Jedinica mjere na koju se izračunava porez					
0..1	Iznos poreza po jedinici mjere					
0..1	Šifra oslobođenja od poreza					
0..1	Opis oslobođenja od poreza					
0..1	Porezna shema					
0..1	Naziv porezne sheme					
0..1	Šifra porezne sheme					
0..n	Ukupni porez					
1..1	Ukupni iznos poreza	x	x			x
0..n	Razrada poreza po kategorijama					
0..1	Neto iznos koji se oporezuje	x	x			x
0..1	Iznos poreza	x	x			
0..1	Redoslijed izračuna					
0..1	Kategorija poreza					
0..1	Identifikator kategorije poreza					x

0..1	Naziv kategorije poreza					x
0..1	Postotak poreza	x	x			x
0..1	Jedinica mjere na koju se izračunava porez					
0..1	Iznos poreza po jedinici mjere					
0..1	Šifra oslobođenja od poreza					
0..1	Opis oslobođenja od poreza	x	x			
0..1	Porezna shema					
0..1	Naziv porezne sheme					
0..1	Šifra porezne sheme					x
1..1	Artikl (usluga)					
0..n	Opis	x	x			x
0..1	Naziv					x
0..1	Broj paketa					
0..1	Broj stvari u paketu					
0..1	Šifra artikla (kupčeva)	x				x
0..1	Šifra artikla (dobavljačeva)	x				x
0..1	Šifra artikla (proizvođačeva)					
0..1	šifra artikla (distributerova)	x				x
0..1	Klasifikacija artikla					
0..1	Naziv					
0..1	Vrijednost					
0..1	Država podrijetla					x
0..1	Identifikator države					x
0..1	Naziv države					x
1..1	Cijena					
1..1	Jedinični iznos (neto)		x			x
0..1	Jedinica mjere		x			x

Postupak izrade UBL podskupa

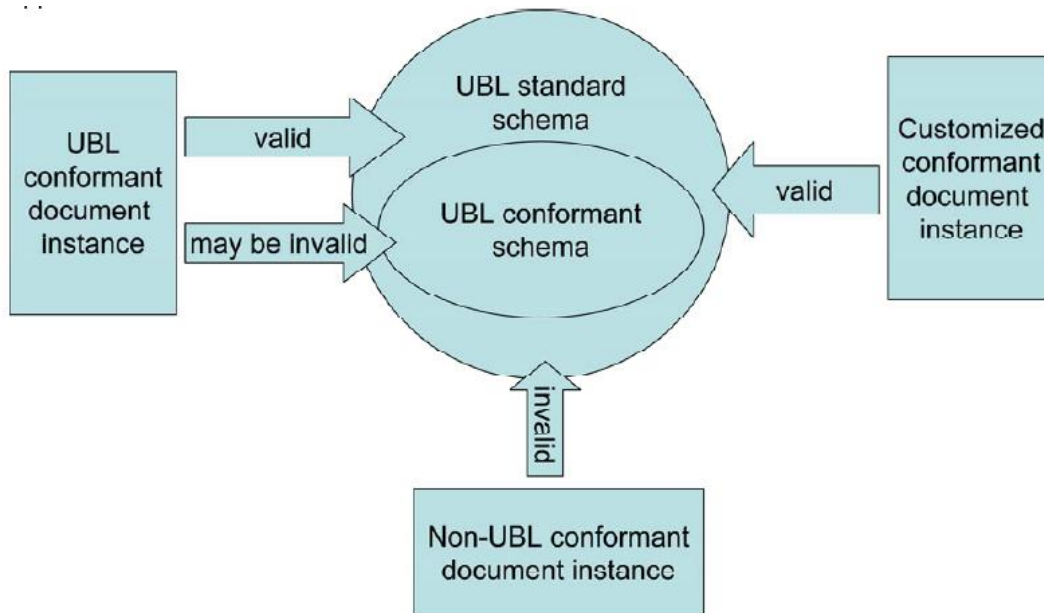
Prilagodba norme UBL navodi dva pristupa u izradi podskupa. Podskup može biti usklađen (eng. conformance) sa UBL normom ili kompatibilan (eng. compatibility) s UBL normom.

Za izradu hrvatsku norme za elektronički račun odabrano je da podskup bude usklađen sa UBL normom. Svojstva usklađenog računa prikazana su na slici 2.

Kad je dokument usklađen s UBL normom znači da su elementi od kojih se sastoji pravi podskup od elemenata UBL norme. Svaki dokument koji je prilagođen na način da je usklađen s UBL normom je ispravan dokument po pravilima te norme. Usklađenost naše norme s UBL normom je investicija u budućnost budući da će se u tom slučaju lakše napraviti prijelaz na sljedeću verziju.

Izrada podskupa koji je usklađen sa UBL normom se svodi na izbacivanje nepotrebnih elemenata iz UBL norme.

Tako nastali podskup može pokrivati većinu potreba, ali samo u okvirima elemenata definiranih izvorišnom UBL normom. Za potrebe koje nisu pokrivene UBL elementima moguće je napraviti proširenja kroz ugrađeni mehanizam proširenja UBL norme. Jedan od osnovnih elemenata svakog dokumenta je element UBLExtensions koji može sadržavati proizvoljni broj elemenata tipa UBLExtension. UBLExtension je definiran tako da može biti bilo koji tip XML elementa tj. <xsd:any>.



Slika 2. Princip usklađenosti s UBL normom⁸

Da bi dokument bio usklađen s UBL normom potrebno je koristiti ovaj mehanizam za proširivanje. Budući da se proširenja mogu staviti samo na jedno mjesto u dokumentu postoji problem referenciranja na elemente na koje se proširenje odnosi. To je moguće riješiti na dva načina:

- Korištenjem ugrađenih identifikatora. Većina složenih UBL elemenata sadržava u sebi element koji se može iskoristiti kao identifikator. Referenciranjem s tim identifikatorom moguće je proširiti točno određeni element u UBL dokumentu.
- Preslikavanje kompletnog složenog elementa iz UBL dokumenta proširenog s željenim elementima.

Struktura e-Računa prema UBL normi

Preslikavanje elemenata informacijskog modela e-Računa na elemente norme UBL 2.0. prikazano je u tablici. 6.

⁸ <http://www.oasis-open.org/committees/download.php/29263/custguide092.pdf>

Tablica 6. Preslikavanje elementa informacijskog modela e-Računa na elemente norme UBL2.0

Kardinalnost	Elementi	UBL Xpath
0..1	Standard za e-Račun	Invoice/cbc:UBLVersionID
0..1	Verzija računa	Invoice/cbc:CustomizationID
0..1	Poslovni proces	Invoice/cbc:ProfileID
1..1	Jedinstveni broj računa	Invoice/cbc:ID
0..1	Pokazatelj kopije	Invoice/cbc:CopyIndicator
1..1	Datum izdavanja	Invoice/cbc:IssueDate
0..1	Vrsta računa	Invoice/cbc:InvoiceTypeCode
0..1	Napomena	Invoice/cbc:Note
0..1	Datum na koji porez postane važeći	Invoice/cbc:TaxPointDate
0..1	Valuta	Invoice/cbc:DocumentCurrencyCode
0..1	Broj stavaka	Invoice/cbc:LineCountNumeric
0..1	Period konsolidacije	Invoice/cac:InvoicePeriod/
0..1	Početak perioda	Invoice/cac:InvoicePeriod/cbc:StartDate
0..1	Kraj perioda	Invoice/cac:InvoicePeriod/cbc:EndDate
0..1	Referenca na narudžbu	Invoice/cac:OrderReference/
1..1	Broj narudžbe	Invoice/cac:OrderReference/cbc:ID
0..1	Datum narudžbe	Invoice/cac:OrderReference/cbc:IssueDate
0..1	Referenca na otpremnicu	Invoice/cac:DespatchDocumentReference/
1..1	Broj otpremnice	Invoice/cac:DespatchDocumentReference/cbc:ID
0..1	Datum otpremnice	Invoice/cac:DespatchDocumentReference/cbc:IssueDate
0..1	Referenca na primku	Invoice/cac:ReceiptDocumentReference/
1..1	Broj primke	Invoice/cac:ReceiptDocumentReference/cbc:ID
0..1	Datum primke	Invoice/cac:ReceiptDocumentReference/cbc:IssueDate
0..1	Referenca na ugovor	Invoice/cac:ContractDocumentReference/
1..1	Broj ugovora	Invoice/cac:ContractDocumentReference/cbc:ID
0..1	Datum ugovora	Invoice/cac:ContractDocumentReference/cbc:IssueDate

0..1	Referenca na cjenik	Invoice/cac:AdditionalDocumentReference/
0..1	Broj cjenika	Invoice/cac:AdditionalDocumentReference/cbc:ID
0..1	Datum cjenika	Invoice/cac:AdditionalDocumentReference/cbc:IssueDate
0..1	Šifra dokumenta	Invoice/cac:AdditionalDocumentReference/cbc:DocumentTypeCode
0..1	Opis dokumenta	Invoice/cac:AdditionalDocumentReference/cbc:DocumentType
0..1	Referenca na predračun	Invoice/cac:AdditionalDocumentReference/
0..1	Broj predračuna	Invoice/cac:AdditionalDocumentReference/cbc:ID
0..1	Datum predračuna	Invoice/cac:AdditionalDocumentReference/cbc:IssueDate
0..1	Šifra dokumenta	Invoice/cac:AdditionalDocumentReference/cbc:DocumentTypeCode
0..1	Opis dokumenta	Invoice/cac:AdditionalDocumentReference/cbc:DocumentType
0..1	Referenca na ponudu	Invoice/cac:AdditionalDocumentReference/
0..1	Broj ponude	Invoice/cac:AdditionalDocumentReference/cbc:ID
0..1	Datum ponude	Invoice/cac:AdditionalDocumentReference/cbc:IssueDate
0..1	Šifra dokumenta	Invoice/cac:AdditionalDocumentReference/cbc:DocumentTypeCode
0..1	Opis dokumenta	Invoice/cac:AdditionalDocumentReference/cbc:DocumentType
1..1	Dobavljač (izdaje fakturu)	Invoice/cac:AccountingSupplierParty/
0..1	Identifikator prodavača (kupčev interni)	Invoice/cac:AccountingSupplierParty/cbc:CustomerAssignedAccountID
1..1	OIB	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity/cbc:CompanyID
0..1	GLN	Invoice/cac:AccountingSupplierParty/cac:Party/cbc:EndpointID
0..1	MB	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyIdentification/cbc:ID
0..1	Ostale šifre	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyIdentification/cbc:ID
1..1	Naziv	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PartyName/cbc:Name
1..1	Adresa	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/
0..1	Format adrese	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:AddressFormatCode
0..1	Ulica	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:StreetName
0..1	Kućni broj	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:BuildingNumber
0..1	Poštanski broj	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:PostalZone
0..1	Mjesto	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:CityName
0..1	Identifikator države	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:Country/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:Country/cbc:Name
0..1	Identifikator pokrajine	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:CountrySubentityCode

0..1	Naziv pokrajine	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cbc:CountrySubentity
0..n	Adresna linija	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:AddressLine/cbc:Line
1..1	Mjesto izdavanja računa	Invoice/cac:AccountingSupplierParty/cac:Party/cac:PhysicalLocation/cac:Address/cbc:CityName
0..1	Odgovorna osoba	Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person/
0..1	Ime	Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person/cbc:FirstName
0..1	Prezime	Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person/cbc:FamilyName
0..1	Funkcija koju osoba obavlja	Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person/cbc:JobTitle
0..1	Organizacijska jedinica	Invoice/cac:AccountingSupplierParty/cac:Party/cac:Person/cbc:OrganizationDepartment
0..1	Kontakt-otprema	Invoice/cac:AccountingSupplierParty/cac:DespatchContact/
0..1	Naziv	Invoice/cac:AccountingSupplierParty/cac:DespatchContact/cbc:Name
0..1	Telefon	Invoice/cac:AccountingSupplierParty/cac:DespatchContact/cbc:Telephone
0..1	Telefax	Invoice/cac:AccountingSupplierParty/cac:DespatchContact/cbc:Telefax
0..1	E-mail	Invoice/cac:AccountingSupplierParty/cac:DespatchContact/cbc:ElectronicMail
0..1	Kontakt-računovodstvo	Invoice/cac:AccountingSupplierParty/cac:AccountingContact/
0..1	Naziv	Invoice/cac:AccountingSupplierParty/cac:AccountingContact/cbc:Name
0..1	Telefon	Invoice/cac:AccountingSupplierParty/cac:AccountingContact/cbc:Telephone
0..1	Telefax	Invoice/cac:AccountingSupplierParty/cac:AccountingContact/cbc:Telefax
0..1	E-mail	Invoice/cac:AccountingSupplierParty/cac:AccountingContact/cbc:ElectronicMail
0..1	Kontakt-prodavač	Invoice/cac:AccountingSupplierParty/cac:SellerContact/
0..1	Naziv	Invoice/cac:AccountingSupplierParty/cac:SellerContact/cbc:Name
0..1	Telefon	Invoice/cac:AccountingSupplierParty/cac:SellerContact/cbc:Telephone
0..1	Telefax	Invoice/cac:AccountingSupplierParty/cac:SellerContact/cbc:Telefax
0..1	E-mail	Invoice/cac:AccountingSupplierParty/cac:SellerContact/cbc:ElectronicMail
1..1	Kupac	Invoice/cac:AccountingCustomerParty/
0..1	Identifikator kupca (kupčev interni)	Invoice/cac:AccountingCustomerParty/cbc:CustomerAssignedAccountID
0..1	Identifikator kupca (prodavačev interni)	Invoice/cac:AccountingCustomerParty/cbc:SupplierAssignedAccountID
1..1	OIB	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyLegalEntity/cbc:CompanyID
0..1	GLN	Invoice/cac:AccountingCustomerParty/cac:Party/cbc:EndpointID
0..1	MB	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyIdentification/cbc:ID
0..1	Ostale šifre	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyIdentification/cbc:ID
1..1	Naziv	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PartyName/cbc:Name

1..1	Adresa	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/
0..1	Format adrese	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:AddressFormatCode
0..1	Ulica	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:StreetName
0..1	Kućni broj	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:BuildingNumber
0..1	Poštanski broj	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:PostalZone
0..1	Mjesto	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:CityName
0..1	Identifikator države	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cac:Country/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cac:Country/cbc:Name
0..1	Identifikator pokrajine	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:CountrySubentityCode
0..1	Naziv pokrajine	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cbc:CountrySubentity
0..n	Adresna linija	Invoice/cac:AccountingCustomerParty/cac:Party/cac:PostalAddress/cac:AddressLine/cbc:Line
0..1	Kontakt-računovodstvo	Invoice/cac:AccountingCustomerParty/cac:AccountingContact/
0..1	Naziv	Invoice/cac:AccountingCustomerParty/cac:AccountingContact/cbc:Name
0..1	Telefon	Invoice/cac:AccountingCustomerParty/cac:AccountingContact/cbc:Telephone
0..1	Telefax	Invoice/cac:AccountingCustomerParty/cac:AccountingContact/cbc:Telefax
0..1	E-mail	Invoice/cac:AccountingCustomerParty/cac:AccountingContact/cbc:ElectronicMail
0..1	Kontakt-kupac	Invoice/cac:AccountingCustomerParty/cac:BuyerContact/
0..1	Naziv	Invoice/cac:AccountingCustomerParty/cac:BuyerContact/cbc:Name
0..1	Telefon	Invoice/cac:AccountingCustomerParty/cac:BuyerContact/cbc:Telephone
0..1	Telefax	Invoice/cac:AccountingCustomerParty/cac:BuyerContact/cbc:Telefax
0..1	E-mail	Invoice/cac:AccountingCustomerParty/cac:BuyerContact/cbc:ElectronicMail
0..1	Kontakt-isporuka	Invoice/cac:AccountingCustomerParty/cac:DeliveryContact/
0..1	Naziv	Invoice/cac:AccountingCustomerParty/cac:DeliveryContact/cbc:Name
0..1	Telefon	Invoice/cac:AccountingCustomerParty/cac:DeliveryContact/cbc:Telephone
0..1	Telefax	Invoice/cac:AccountingCustomerParty/cac:DeliveryContact/cbc:Telefax
0..1	E-mail	Invoice/cac:AccountingCustomerParty/cac:DeliveryContact/cbc:ElectronicMail
0..1	Porezni posrednik	Invoice/cac:TaxRepresentativeParty/
1..1	OIB	Invoice/cac:TaxRepresentativeParty/cac:PartyLegalEntity/cbc:CompanyID
0..1	GLN	Invoice/cac:TaxRepresentativeParty/cbc:EndpointID
0..1	MB	Invoice/cac:TaxRepresentativeParty/cac:PartyIdentification/cbc:ID
0..1	Ostale šifre	Invoice/cac:TaxRepresentativeParty/cac:PartyIdentification/cbc:ID

1..1	Naziv	Invoice/cac:TaxRepresentativeParty/cac:PartyName/cbc:Name
1..1	Adresa	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/
0..1	Format adrese	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:AddressFormatCode
0..1	Ulica	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:StreetName
0..1	Kućni broj	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:BuildingNumber
0..1	Poštanski broj	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:PostalZone
0..1	Mjesto	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cbc:CityName
0..1	Identifikator države	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cac:Country/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cac:Country/cbc:Name
0..n	Adresna linija	Invoice/cac:TaxRepresentativeParty/cac:PostalAddress/cac:AddressLine/cbc:Line
0..n	Isporučka	Invoice/cac:Delivery
0..1	Isporučitelj	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/
1..1	OIB	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PartyLegalEntity/cbc:CompanyID
0..1	GLN	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cbc:EndpointID
0..1	Ostale šifre	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PartyIdentification/cbc:ID
1..1	Naziv	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PartyName/cbc:Name
1..1	Adresa	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/
0..1	Format adrese	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/cbc:AddressFormatCode
0..1	Ulica	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/cbc:StreetName
0..1	Kućni broj	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/cbc:BuildingNumber
0..1	Poštanski broj	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/cbc:PostalZone
0..1	Mjesto	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/cbc:CityName
0..1	Identifikator države	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/cac:Country/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/cac:Country/cbc:Name
0..n	Adresna linija	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PostalAddress/cac:AddressLine/cbc:Line
0..1	Preuzimatelj	Invoice/cac:Delivery/cac:DeliveryParty/
1..1	OIB	Invoice/cac:Delivery/cac:DeliveryParty/cac:PartyLegalEntity/cbc:CompanyID
0..1	GLN	Invoice/cac:Delivery/cac:DeliveryParty/cbc:EndpointID
0..1	Ostale šifre	Invoice/cac:Delivery/cac:DeliveryParty/cac:PartyIdentification/cbc:ID
1..1	Naziv	Invoice/cac:Delivery/cac:DeliveryParty/cac:PartyName/cbc:Name

1..1	Adresa	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/
0..1	Format adrese	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/cbc:AddressFormatCode
0..1	Ulica	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/cbc:StreetName
0..1	Kućni broj	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/cbc:BuildingNumber
0..1	Poštanski broj	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/cbc:PostalZone
0..1	Mjesto	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/cbc:CityName
0..1	Identifikator države	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/cac:Country/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/cac:Country/cbc:Name
0..n	Adresna linija	Invoice/cac:Delivery/cac:DeliveryParty/cac:PostalAddress/cac:AddressLine/cbc:Line
0..1	Datum isporuke	Invoice/cac:Delivery/cbc:ActualDeliveryDate
0..1	Mjesto isporuke	Invoice/cac:Delivery/cac:DeliveryLocation/
0..1	GLN	Invoice/cac:Delivery/cac:DeliveryLocation/cbc:ID
0..1	Adresa	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/
0..1	Format adrese	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:AddressFormatCode
0..1	Ulica	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:StreetName
0..1	Kućni broj	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:BuildingNumber
0..1	Poštanski broj	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:PostalZone
0..1	Mjesto	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cbc:CityName
0..1	Identifikator države	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cac:Country/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cac:Country/cbc:Name
0..1	Adresna linija	Invoice/cac:Delivery/cac:DeliveryLocation/cac:Address/cac:AddressLine/cbc:Line
0..1	Datum otpreme	Invoice/cac:Delivery/cac:Despatch/cbc:ActualDespatchDate
0..1	Lokacija otpreme	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/
0..1	GLN	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cbc:ID
0..1	Adresa	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address
0..1	Format adrese	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cbc:AddressFormatCode
0..1	Ulica	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cbc:StreetName
0..1	Kućni broj	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cbc:BuildingNumber
0..1	Poštanski broj	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cbc:PostalZone
0..1	Mjesto	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cbc:CityName

0..1	Identifikator države	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cac:Country/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cac:Country/cbc:Name
0..1	Adresna linija	Invoice/cac:Delivery/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cac:AddressLine/cbc:Line
0..n	Uvjeti isporuke	Invoice/cac:DeliveryTerms/cbc:SpecialTerms
0..n	Način plaćanja	Invoice/cac:PaymentMeans/
0..1	Šifra načina plaćanja	Invoice/cac:PaymentMeans/cbc:PaymentMeansCode
0..1	Datum plaćanja	Invoice/cac:PaymentMeans/cbc:PaymentDueDate
0..1	Šifra kanala plaćanja	Invoice/cac:PaymentMeans/cbc:PaymentChannelCode
0..1	Model zaduženja	Invoice/cac:PaymentMeans/cbc:InstructionID
0..1	Poziv na broj zaduženja	Invoice/cac:PaymentMeans/cbc:InstructionNote
0..1	Račun Primatelja	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/
0..1	Broj računa Primatelja	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cbc:ID
0..1	Naziv računa Primatelja	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cbc:Name
0..1	Podružnica banke	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch/
0..1	Identifikator podružnice banke	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch/cbc:ID
0..1	Naziv podružnice	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch/cbc:Name
0..1	Banka	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch/cac:FinancialInstitution/
0..1	Naziv banke	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/cac:FinancialInstitutionBranch/cac:FinancialInstitution/cbc:Name
0..1	Račun Platitelja	Invoice/cac:PaymentMeans/cac:PayeeFinancialAccount/
0..1	Broj računa Platitelja	Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cbc:ID
0..1	Naziv računa Platitelja	Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cbc:Name
0..1	Podružnica banke	Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cac:FinancialInstitutionBranch/
0..1	Identifikator podružnice banke	Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cac:FinancialInstitutionBranch/cbc:ID
0..1	Naziv podružnice	Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cac:FinancialInstitutionBranch/cbc:Name
0..1	Banka	Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cac:FinancialInstitutionBranch/cac:FinancialInstitution/
0..1	Naziv banke	Invoice/cac:PaymentMeans/cac:PayerFinancialAccount/cac:FinancialInstitutionBranch/cac:FinancialInstitution/cbc:Name
0..n	Uvjeti plaćanja	Invoice/cac:PaymentTerms/
0..1	Datum dospijeća plaćanja	Invoice/cac:PaymentTerms/cac:SettlementPeriod/cbc:EndDate
0..1	Postotak popusta u slučaju prijevremenog plaćanja	Invoice/cac:PaymentTerms/cbc:SettlementDiscountPercent

0..1	Postotak kazne u slučaju kašnjenja u plaćanju	Invoice/cac:PaymentTerms/cbc:PenaltySurchargePercent
0..1	Iznos za koji vrijede uvjeti plaćanja	Invoice/cac:PaymentTerms/cbc:Amount
0..1	Napomena	Invoice/cac:PaymentTerms/cbc:Note
0..n	Troškovi i popusti(rabati)	Invoice/cac:AllowanceCharge/
1..1	Oznaka da li se radi o popustu ili trošku	Invoice/cac:AllowanceCharge/cbc:ChargeIndicator
1..1	Iznos	Invoice/cac:AllowanceCharge/cbc:Amount
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0..1	Šifra troška ili popusta	Invoice/cac:AllowanceCharge/cbc:AllowanceChargeReasonCode
0..1	Opis troška ili popusta	Invoice/cac:AllowanceCharge/cbc:AllowanceChargeReason
0..1	Postotak	Invoice/cac:AllowanceCharge/cbc:MultiplierFactorNumeric
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0..1	Porez na trošak	Invoice/cac:AllowanceCharge/cac:TaxTotal/
1..1	Ukupni iznos poreza	Invoice/cac:AllowanceCharge/cac:TaxTotal/cbc:TaxAmount
0..n	Razrada poreza po kategorijama	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/
0..1	Neto iznos koji se oporezuje	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxableAmount
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0..1	Redoslijed izračuna	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cbc:CalculationSequenceNumeric
0..1	Kategorija poreza	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/
0..1	Identifikator kategorije poreza	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:ID
0..1	Naziv kategorije poreza	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Name
0..1	Postotak poreza	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Percent
0..1	Jedinica mjere na koju se izračunava porez	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:BaseUnitMeasure
0..1	Iznos poreza po jedinici mjere	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:PerUnitAmount
0..1	Šifra oslobođenja od poreza	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReasonCode
0..1	Opis oslobođenja od poreza	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReason
0..1	Porezna shema	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/
0..1	Naziv porezne sheme	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:Name
0..1	Šifra porezne sheme	Invoice/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:TaxTypeCode
0..n	Ukupni porez	Invoice/cac:TaxTotal/
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0..n	Razrada poreza po kategorijama	Invoice/cac:TaxTotal/cac:TaxSubtotal/
0..1	Neto iznos koji se oporezuje	Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxableAmount
0..1	Iznos poreza	Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxAmount
0..1	Redoslijed izračuna	Invoice/cac:TaxTotal/cac:TaxSubtotal/cbc:CalculationSequenceNumeric
0..1	Kategorija poreza	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/
0..1	Identifikator kategorije poreza	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:ID
0..1	Naziv kategorije poreza	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Name
0..1	Postotak poreza	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Percent
0..1	Jedinica mjere na koju se izračunava porez	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:BaseUnitMeasure
0..1	Iznos poreza po jedinici mjere	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:PerUnitAmount
0..1	Šifra oslobođenja od poreza	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReasonCode
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0..1	Porezna shema	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/
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0..1	Šifra porezne sheme	Invoice/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:TaxTypeCode
1..1	Ukupni iznosi	Invoice/cac:LegalMonetaryTotal/
0..1	Ukupan neto iznos bez poreza i popusta	Invoice/cac:LegalMonetaryTotal/cbc:LineExtensionAmount
0..1	Ukupan iznos bez poreza	Invoice/cac:LegalMonetaryTotal/cbc:TaxExclusiveAmount
0..1	Ukupan iznos uključujući porez	Invoice/cac:LegalMonetaryTotal/cbc:TaxInclusiveAmount
0..1	Ukupna iznos popusta	Invoice/cac:LegalMonetaryTotal/cbc:AllowanceTotalAmount
0..1	Ukupan iznos troškova	Invoice/cac:LegalMonetaryTotal/cbc:ChargeTotalAmount
0..1	Iznos plaćen unaprijed	Invoice/cac:LegalMonetaryTotal/cbc:PrepaidAmount
1..1	Ukupan iznos za platiti	Invoice/cac:LegalMonetaryTotal/cbc:PayableAmount
1..n	Stavke računa	Invoice/cac:InvoiceLine/
1..1	Redni broj stavke	Invoice/cac:InvoiceLine/cbc:ID
0..1	Količina (broj stvari ili usluga)	Invoice/cac:InvoiceLine/cbc:InvoicedQuantity
1..1	Ukupan iznos stavke računa uključujući popus, ali bez poreza	Invoice/cac:InvoiceLine/cbc:LineExtensionAmount
0..1	Referenca na stavku narudžbe	Invoice/cac:InvoiceLine/cac:OrderLineReference/
1..1	Broj stavke u narudžbi	Invoice/cac:InvoiceLine/cac:OrderLineReference/cbc:LineID
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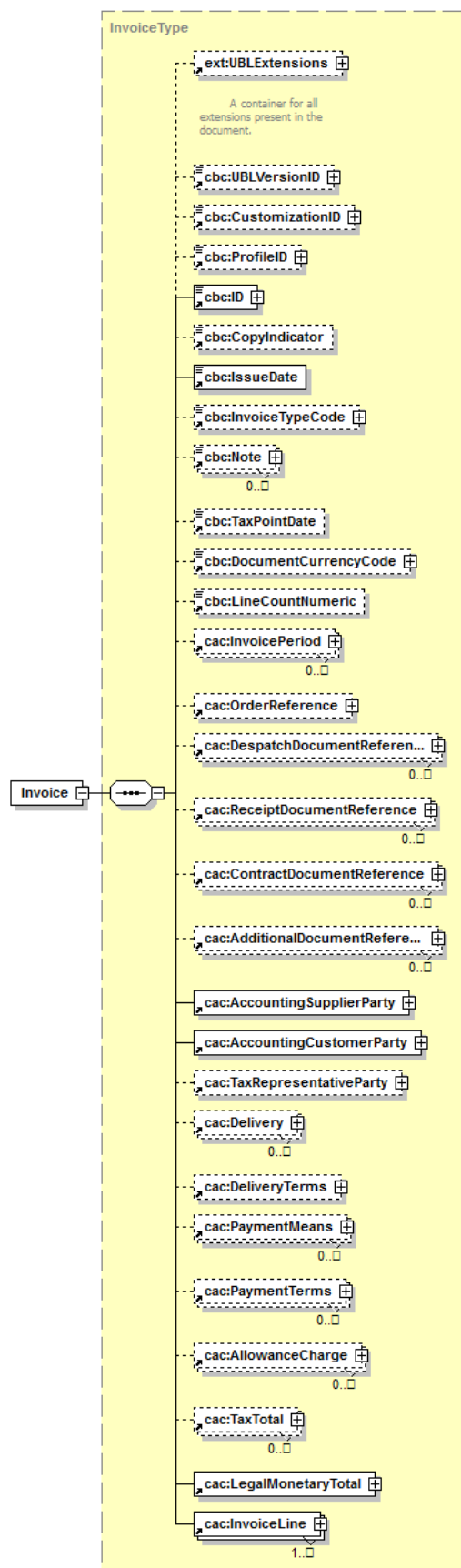
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0..1	Datum isporuke	Invoice/cac:InvoiceLine/cac:Delivery/cbc:ActualDeliveryDate
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0..1	GLN	Invoice/cac:InvoiceLine/cac:DeliveryLocation/cbc:ID
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0..1	Ulica	Invoice/cac:InvoiceLine/cac:DeliveryLocation/cac:Address/cbc:StreetName
0..1	Kućni broj	Invoice/cac:InvoiceLine/cac:DeliveryLocation/cac:Address/cbc:BuildingNumber
0..1	Poštanski broj	Invoice/cac:InvoiceLine/cac:DeliveryLocation/cac:Address/cbc:PostalZone
0..1	Mjesto	Invoice/cac:InvoiceLine/cac:DeliveryLocation/cac:Address/cbc:CityName
0..1	Identifikator države	Invoice/cac:InvoiceLine/cac:DeliveryLocation/cac:Address/cac:Country/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:InvoiceLine/cac:DeliveryLocation/cac:Address/cac:Country/cbc:Name
0..1	Adresna linija	Invoice/cac:InvoiceLine/cac:DeliveryLocation/cac:Address/cac:AddressLine/cbc:Line
0..1	Datum otpreme	Invoice/cac:InvoiceLine/cac:Despatch/cbc:ActualDespatchDate
0..1	Lokacija s koje se šalje roba	Invoice/cac:InvoiceLine/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/
0..1	GLN	Invoice/cac:InvoiceLine/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cbc:ID
0..1	Adresa	Invoice/cac:InvoiceLine/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address Invoice/cac:InvoiceLine/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cbc:AddressF
0..1	Format adrese	ormatCode
0..1	Ulica	Invoice/cac:InvoiceLine/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cbc:StreetNa me
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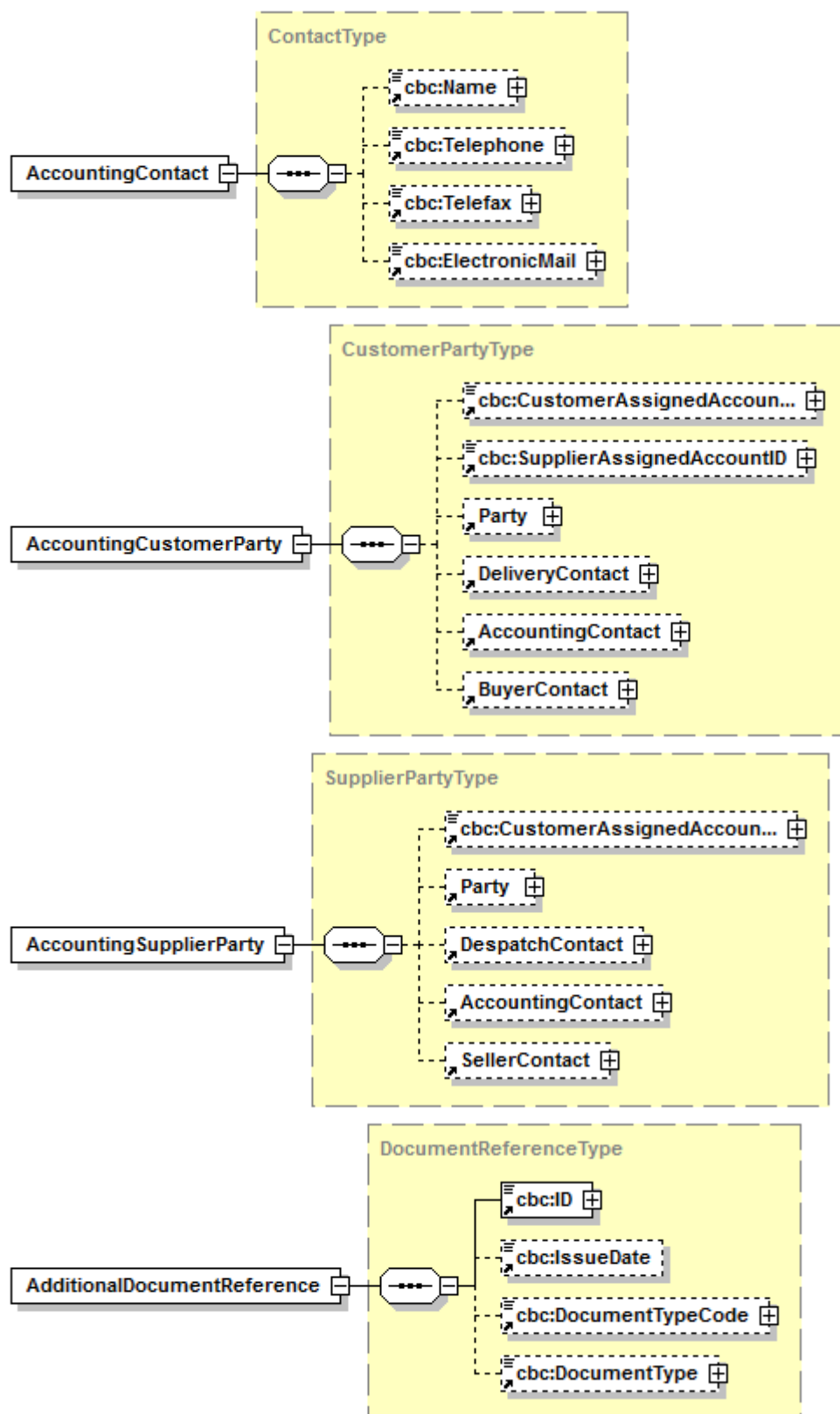
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0..1	Mjesto	Invoice/cac:InvoiceLine/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cbc:CityName
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0..1	Naziv države	Invoice/cac:InvoiceLine/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cac:Country/cbc:Name
0..1	Adresna linija	Invoice/cac:InvoiceLine/cac:Despatch/cac:DespatchParty/cac:PhysicalLocation/cac:Address/cac:AddressLine/cbc:Line
0..n	Troškovi i popusti(rabati)	Invoice/cac:InvoiceLine/cac:AllowanceCharge/
1..1	Oznaka da li se radi o popustu ili trošku	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:ChargeIndicator
1..1	Iznos	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:Amount
0..1	Osnovica za izračun	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:BaseAmount
0..1	Šifra troška ili popusta	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:AllowanceChargeReasonCode
0..1	Opis troška ili popusta	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:AllowanceChargeReason
0..1	Postotak	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:MultiplierFactorNumeric
0..1	Redoslijed izračuna	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cbc:SequenceNumeric
0..1	Porez na trošak	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/
1..1	Ukupni iznos poreza	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cbc:TaxAmount
0..n	Razrada poreza po kategorijama	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/
0..1	Neto iznos koji se oporezuje	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxableAmount
0..1	Iznos poreza	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxAmount
0..1	Redoslijed izračuna	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cbc:CalculationSequenceNumeric
0..1	Kategorija poreza	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/
0..1	Identifikator kategorije poreza	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:ID
0..1	Naziv kategorije poreza	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Name
0..1	Postotak poreza	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Percent
0..1	Jedinica mjere na koju se izračunava porez	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:BaseUnitMeasure
0..1	Iznos poreza po jedinici mjere	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:PerUnitAmount
0..1	Šifra oslobođenja od poreza	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReasonCode
0..1	Opis oslobođenja od poreza	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReason
0..1	Porezna shema	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme

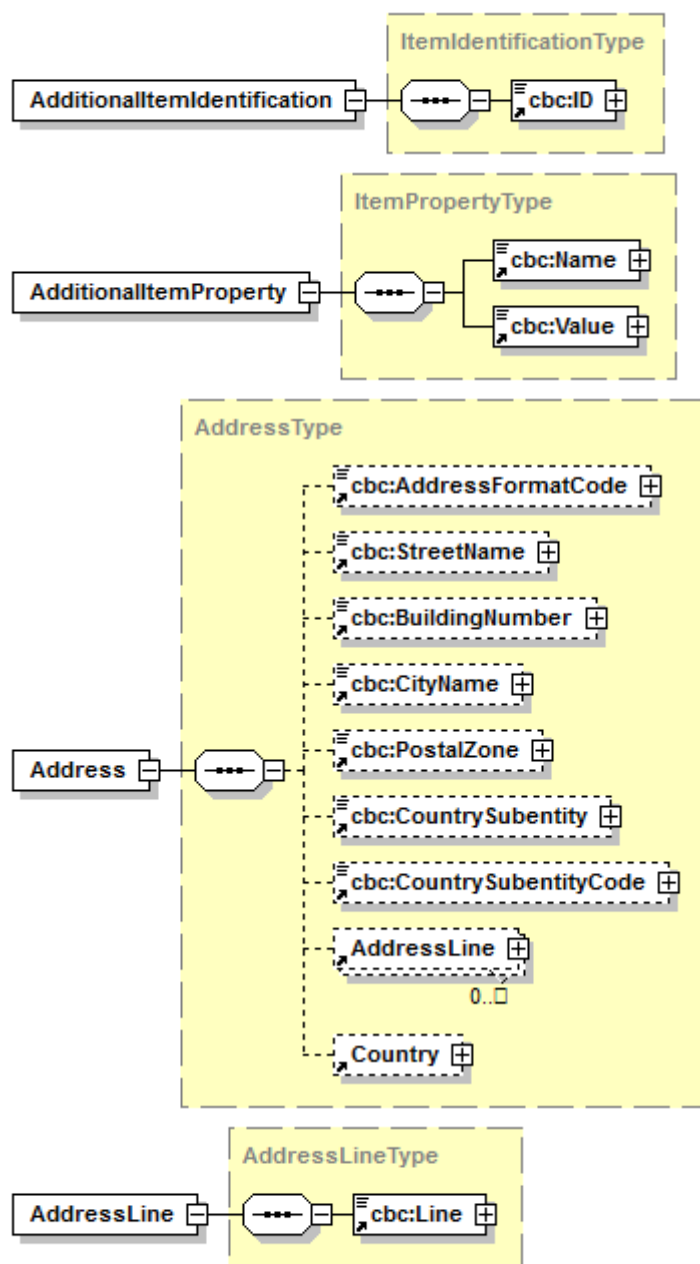
		eme/
0..1	Naziv porezne sheme	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:Name
0..1	Šifra porezne sheme	Invoice/cac:InvoiceLine/cac:AllowanceCharge/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:TaxTypeCode
0..n	Ukupni porez	Invoice/cac:InvoiceLine/cac:TaxTotal/
1..1	Ukupni iznos poreza	Invoice/cac:InvoiceLine/cac:TaxTotal/cbc:TaxAmount
0..n	Razrada poreza po kategorijama	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/
0..1	Neto iznos koji se oporezuje	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxableAmount
0..1	Iznos poreza	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cbc:TaxAmount
0..1	Redoslijed izračuna	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cbc:CalculationSequenceNumeric
0..1	Kategorija poreza	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/
0..1	Identifikator kategorije poreza	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:ID
0..1	Naziv kategorije poreza	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Name
0..1	Postotak poreza	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:Percent
0..1	Jedinica mjere na koju se izračunava porez	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:BaseUnitMeasure
0..1	Iznos poreza po jedinici mjere	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:PerUnitAmount
0..1	Šifra oslobođenja od poreza	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReasonCode
0..1	Opis oslobođenja od poreza	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cbc:TaxExemptionReason
0..1	Porezna shema	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/
0..1	Naziv porezne sheme	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:Name
0..1	Šifra porezne sheme	Invoice/cac:InvoiceLine/cac:TaxTotal/cac:TaxSubtotal/cac:TaxCategory/cac:TaxScheme/cbc:TaxTypeCode
1..1	Artikl (usluga)	Invoice/cac:InvoiceLine/cac:Item/
0..n	Opis	Invoice/cac:InvoiceLine/cac:Item/cbc:Description
0..1	Naziv	Invoice/cac:InvoiceLine/cac:Item/cbc:Name
0..1	Broj paketa	Invoice/cac:InvoiceLine/cac:Item/cbc:PackQuantity
0..1	Broj stvari u paketu	Invoice/cac:InvoiceLine/cac:Item/cbc:PackSizeNumeric
0..1	Šifra artikla (kupčeva)	Invoice/cac:InvoiceLine/cac:Item/cac:BuyersItemIdentification/cbc:ID
0..1	Šifra artikla (dobavljačeva)	Invoice/cac:InvoiceLine/cac:Item/cac:SellersItemIdentification/cbc:ID
0..1	Šifra artikla (proizvođačeva)	Invoice/cac:InvoiceLine/cac:Item/cac:ManufacturersItemIdentification/cbc:ID
0..1	Šifra artikla (distributerova)	Invoice/cac:InvoiceLine/cac:Item/cac:AdditionalItemIdentification/cbc:ID
0..1	Klasifikacija artikla	Invoice/cac:InvoiceLine/cac:Item/cbc:AdditionalItemProperty/

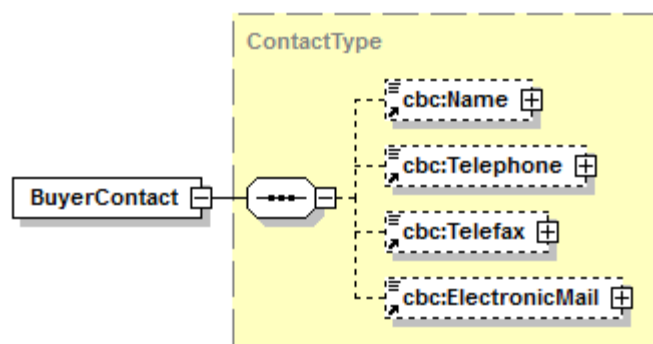
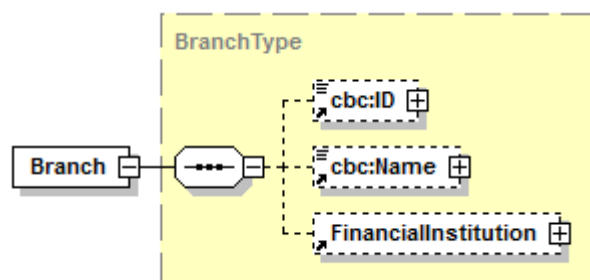
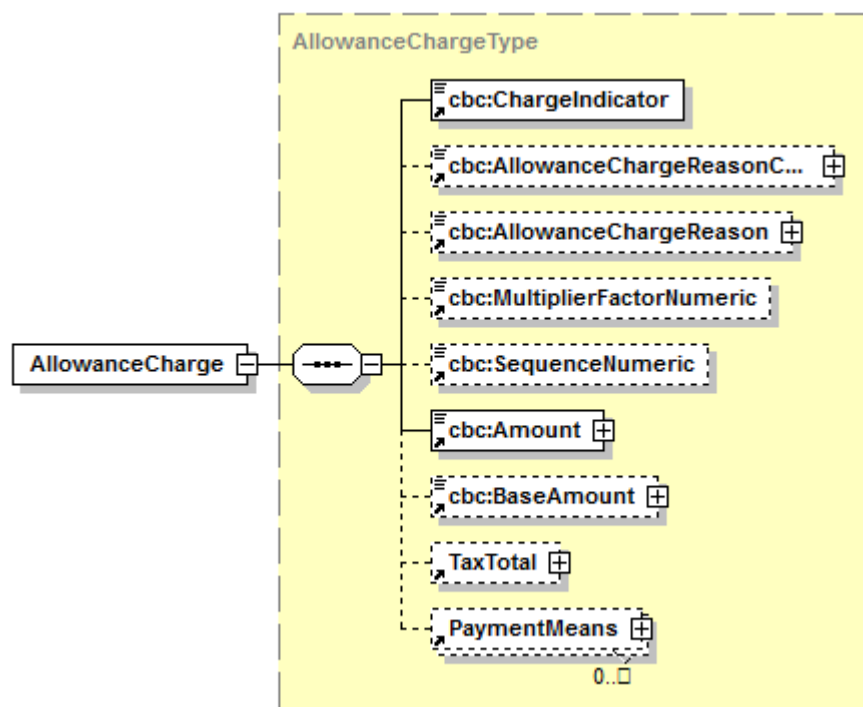
0..1	Naziv	Invoice/cac:InvoiceLine/cac:Item/cbc:AdditionalItemProperty/cbc:Name
0..1	Vrijednost	Invoice/cac:InvoiceLine/cac:Item/cbc:AdditionalItemProperty/cbc:Value
0..1	Država podrijetla	Invoice/cac:InvoiceLine/cac:Item/cac:OriginCountry/
0..1	Identifikator države	Invoice/cac:InvoiceLine/cac:Item/cac:OriginCountry/cbc:IdentificationCode
0..1	Naziv države	Invoice/cac:InvoiceLine/cac:Item/cac:OriginCountry/cbc:Name
1..1	Cijena	Invoice/cac:InvoiceLine/cac:Price/
1..1	Jedinični iznos (neto)	Invoice/cac:InvoiceLine/cac:Price/cbc:PriceAmount
0..1	Jedinica mjere	Invoice/cac:InvoiceLine/cac:Price/cbc:BaseQuantity

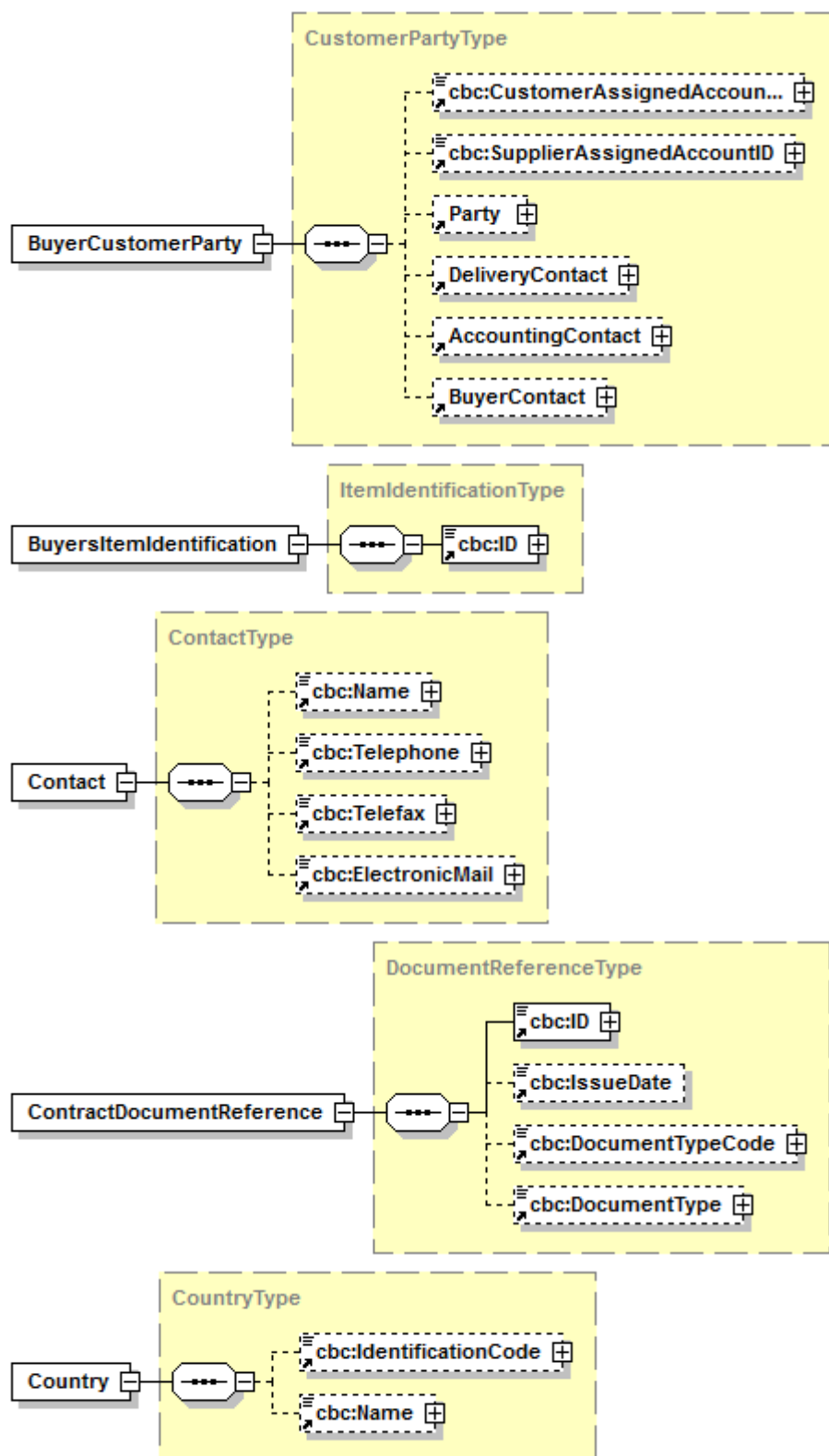
Struktura elemenata e-Računa prema UBL normi 2.0 prikazane su sljedećim slikama. Slike su generirane iz prilagođenih XML shema programom XML Spy. Slike prikazuju kompleksne tipove iz XML schema. Elementi koji imaju na desnom kraju pravokutnika + su također složeni tipovi. Svrha ovakvog grafičkog prikaza je prikazati koji složeni elementi postoje i od kojih se osnovnih i složenih elemenata sastoje. Prvo je prikazan na slici osnovni složeni tip računa pod nazivom InvoiceType, a zatim su abecednim redom prikazani ostali složeni tipovi.

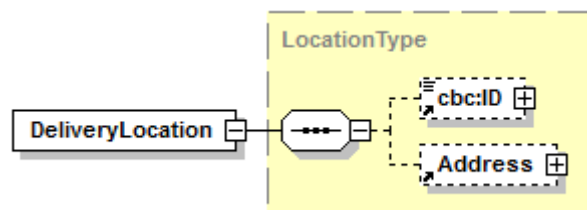
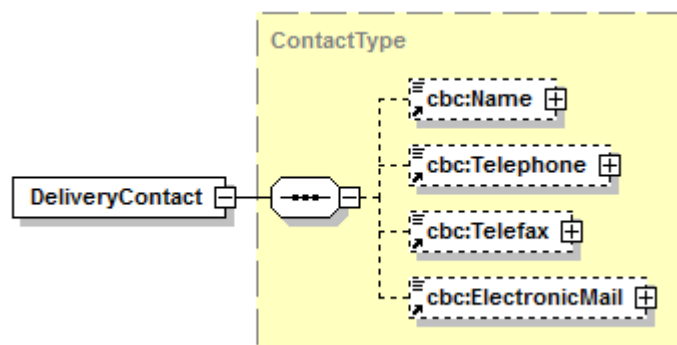
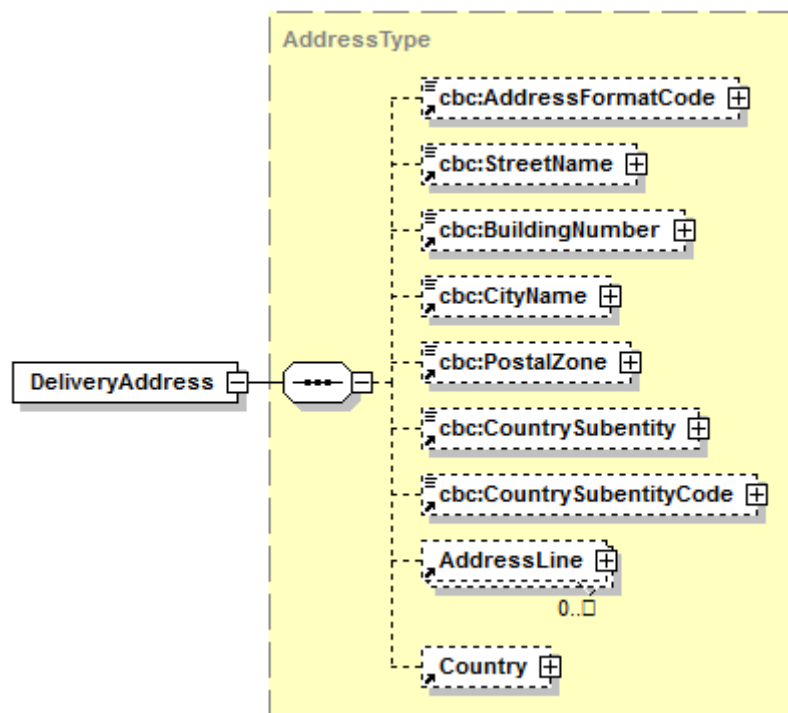
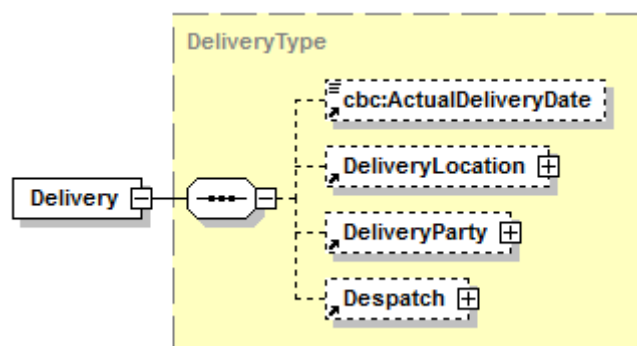


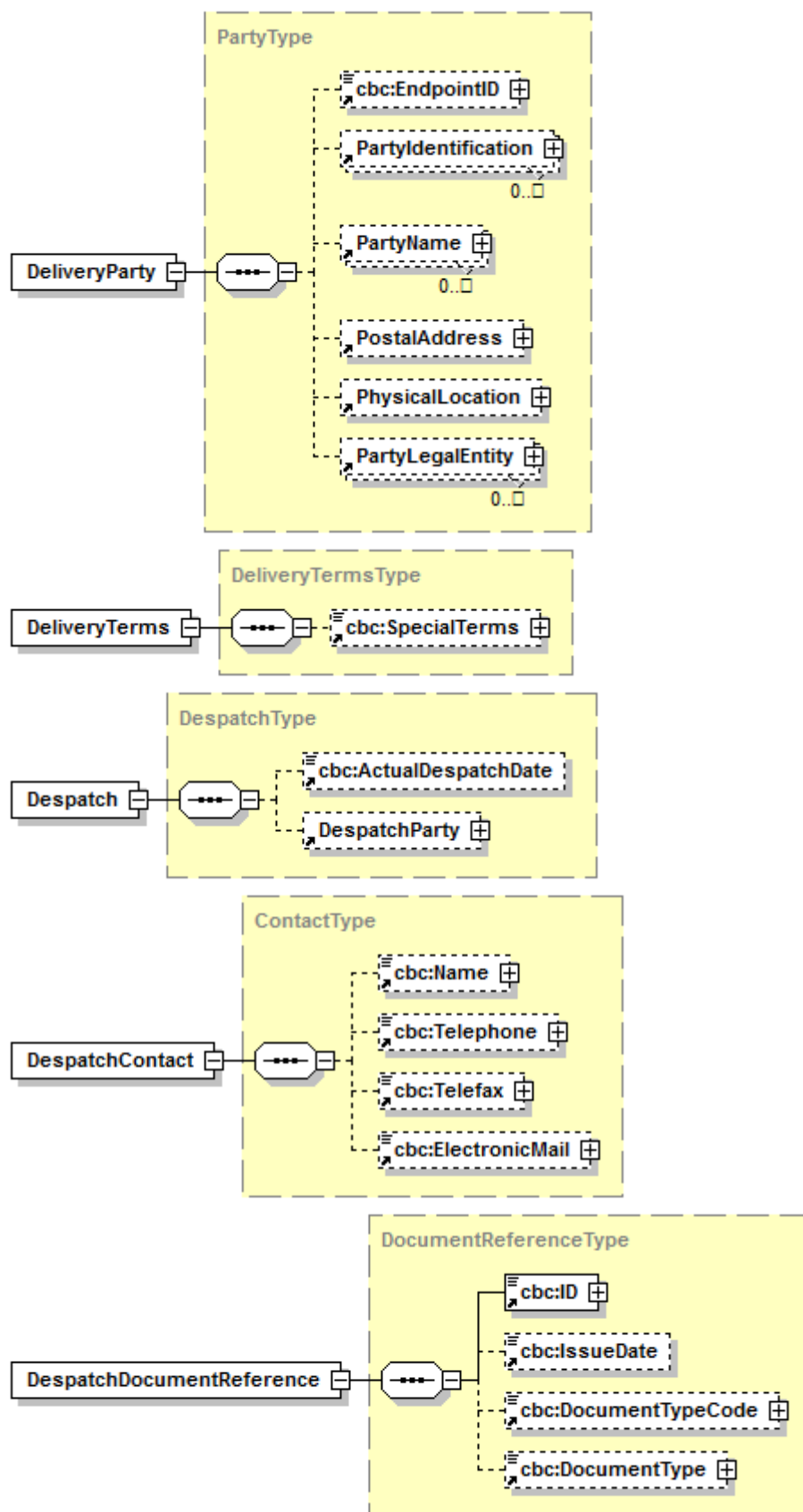


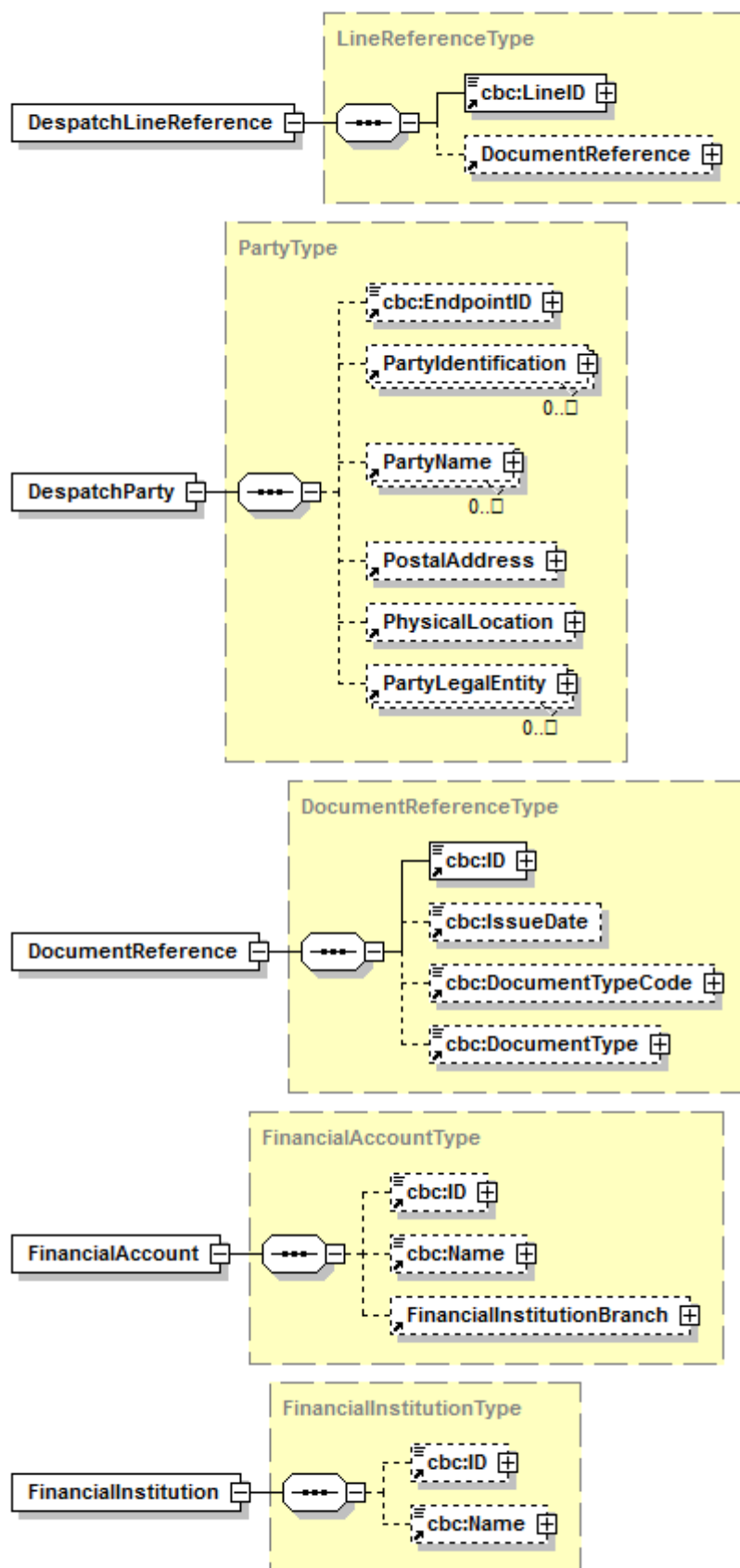


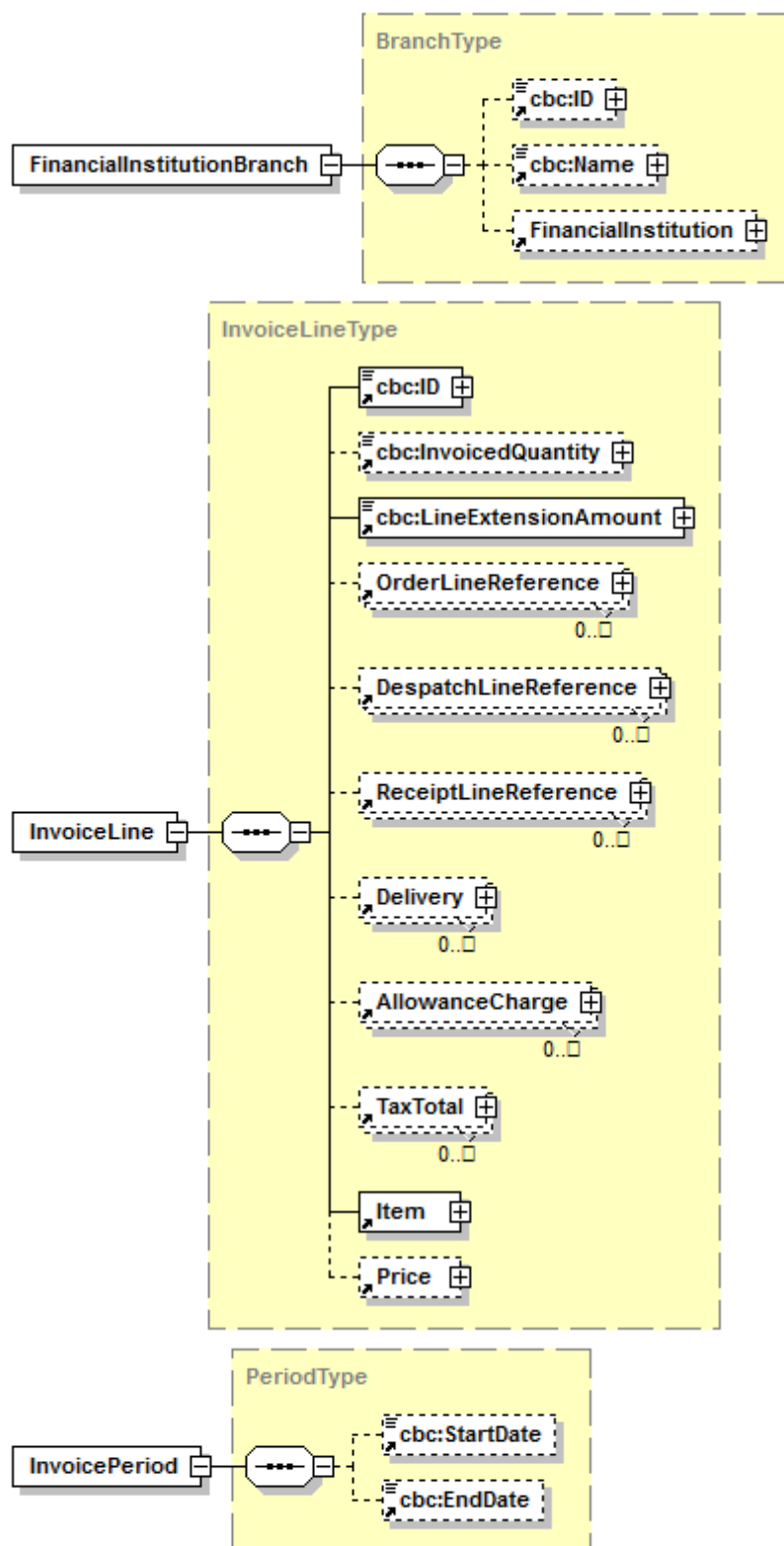


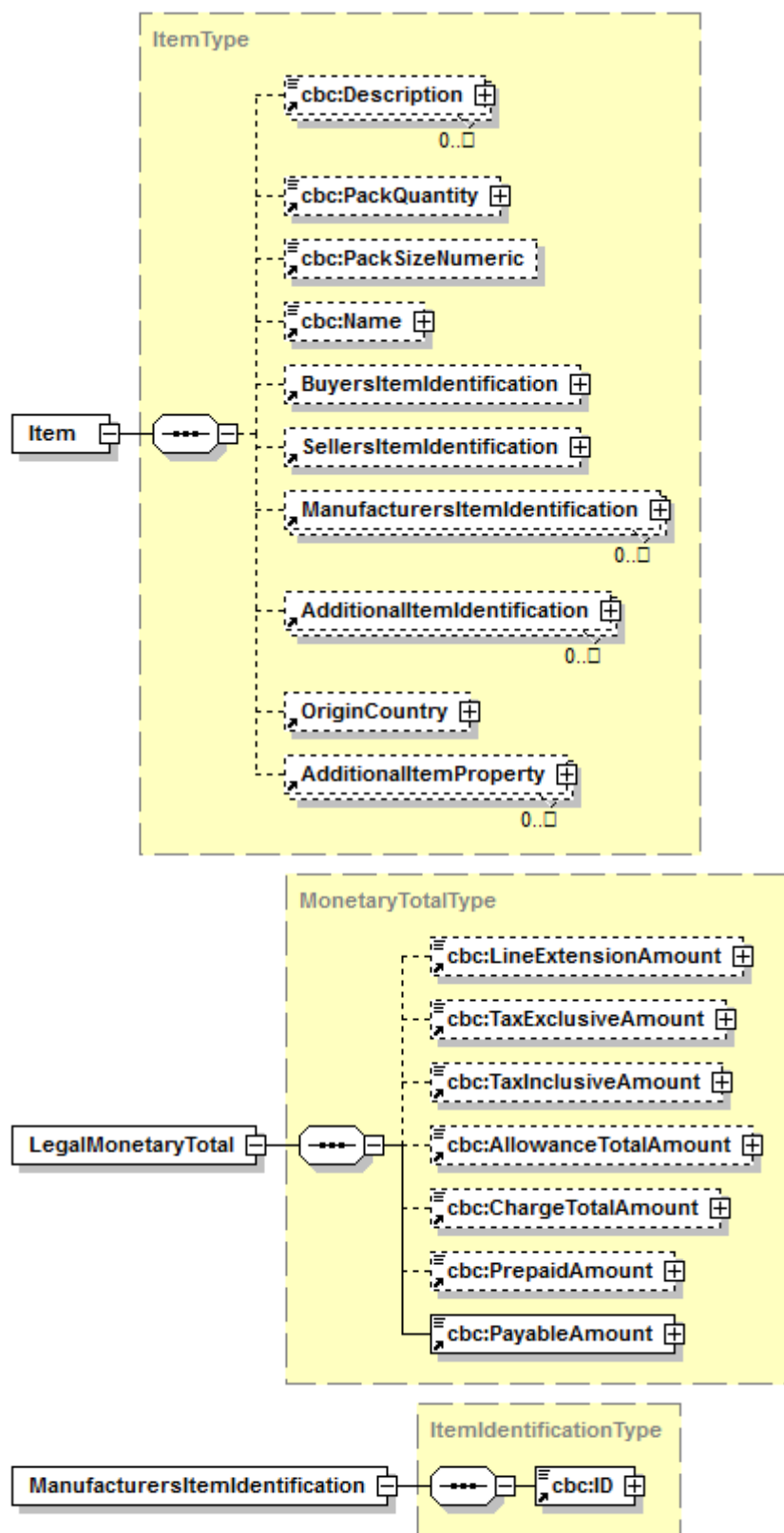


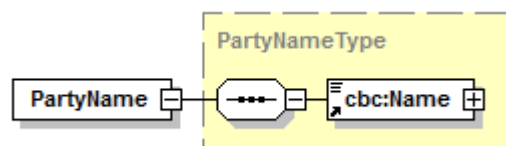
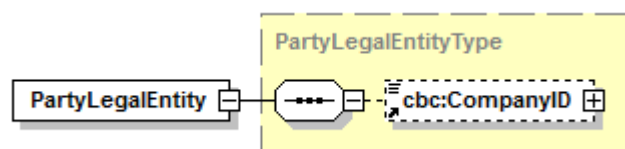
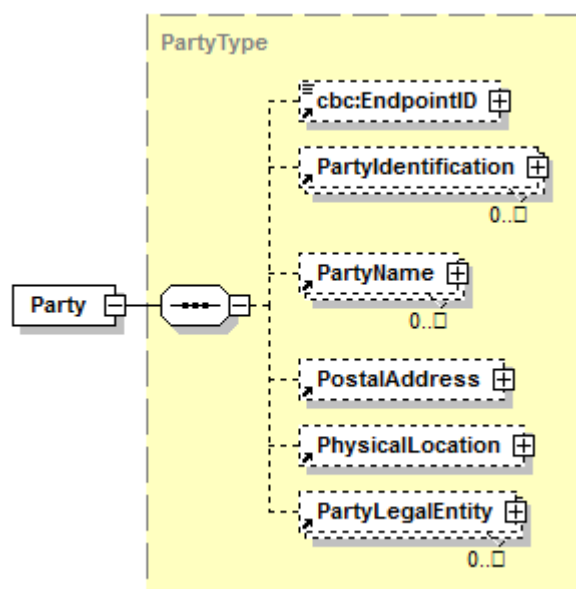
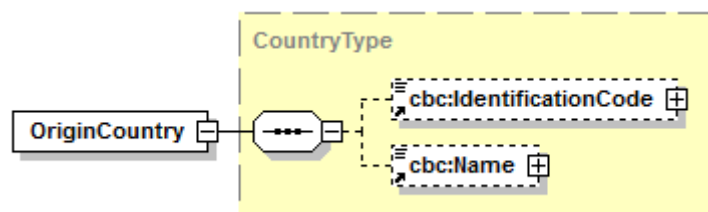
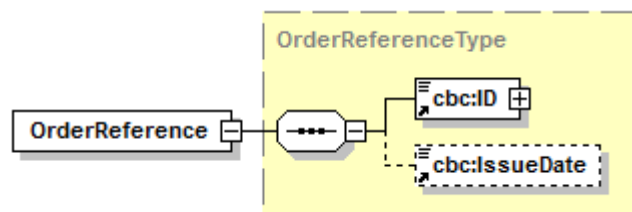
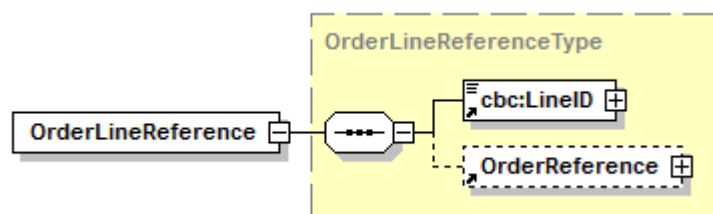


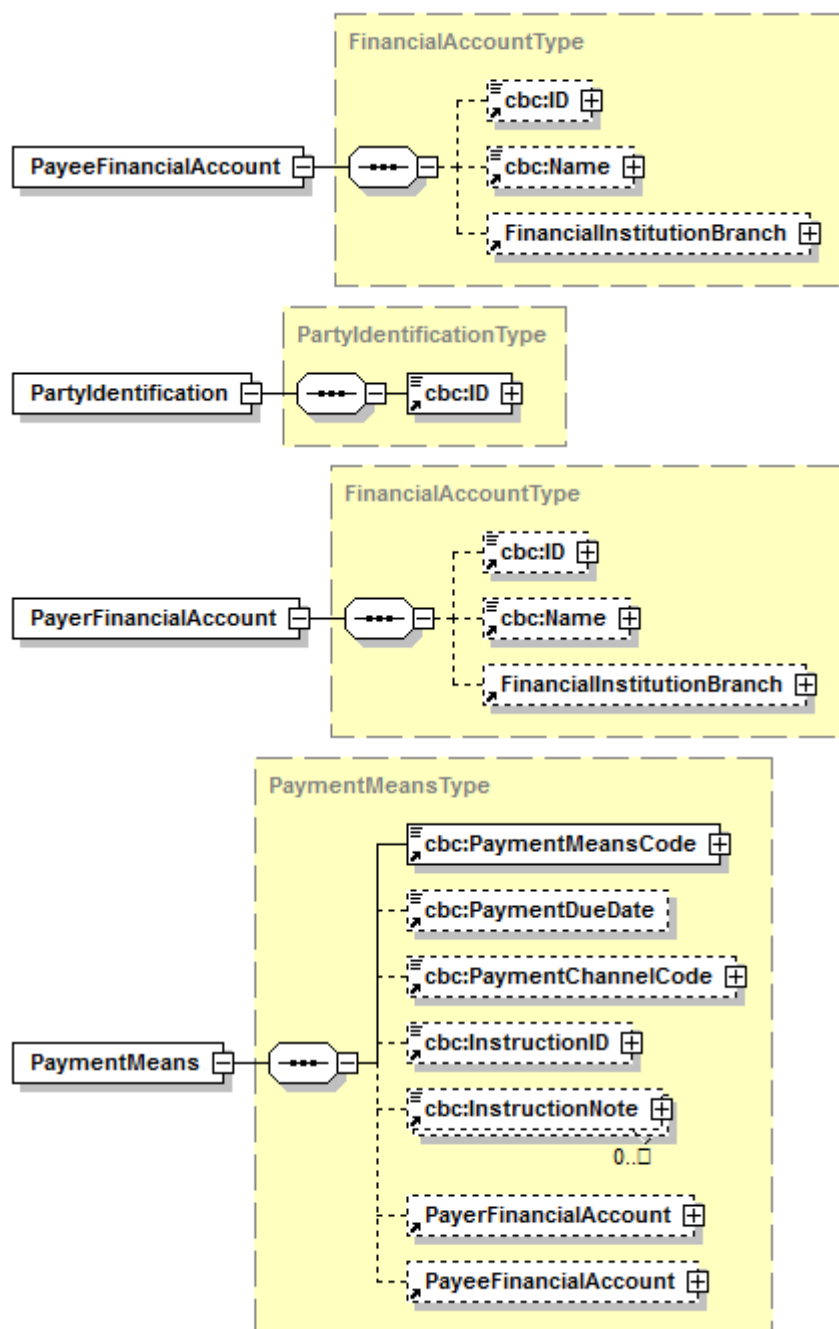


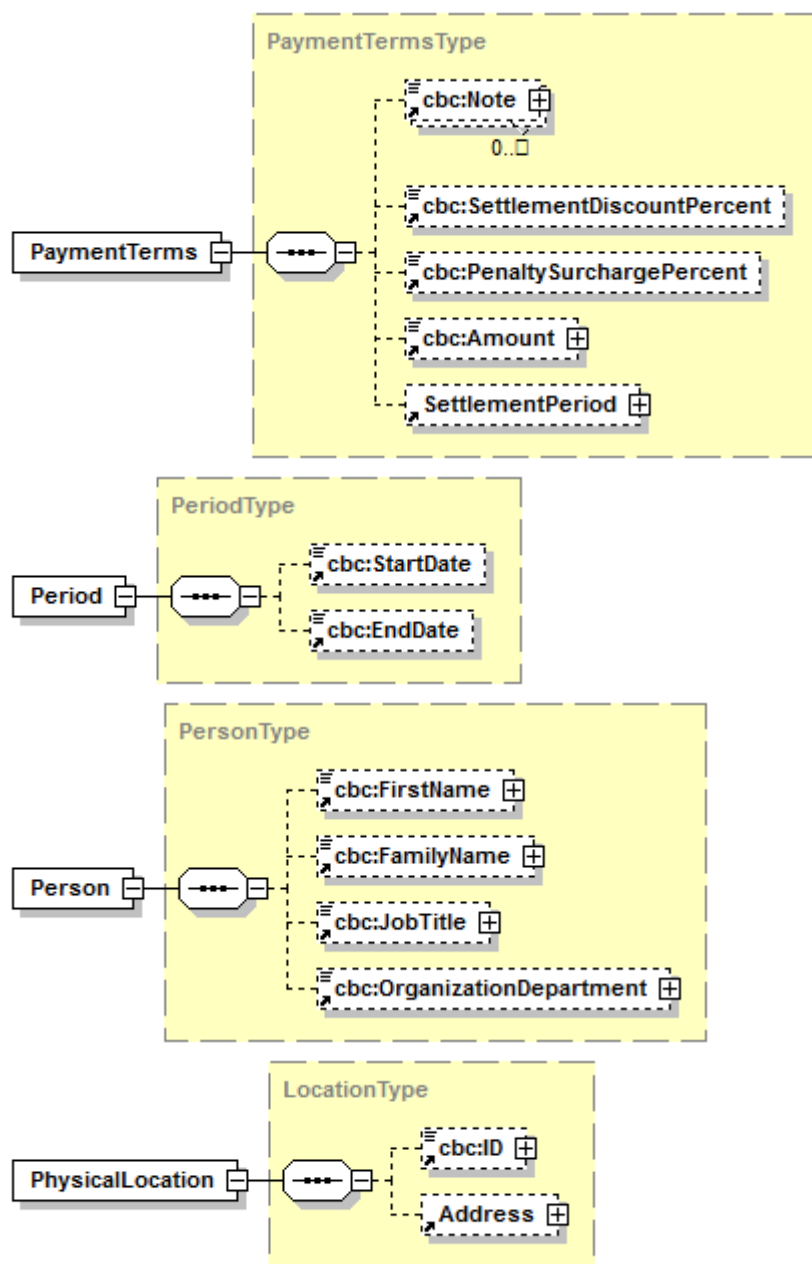


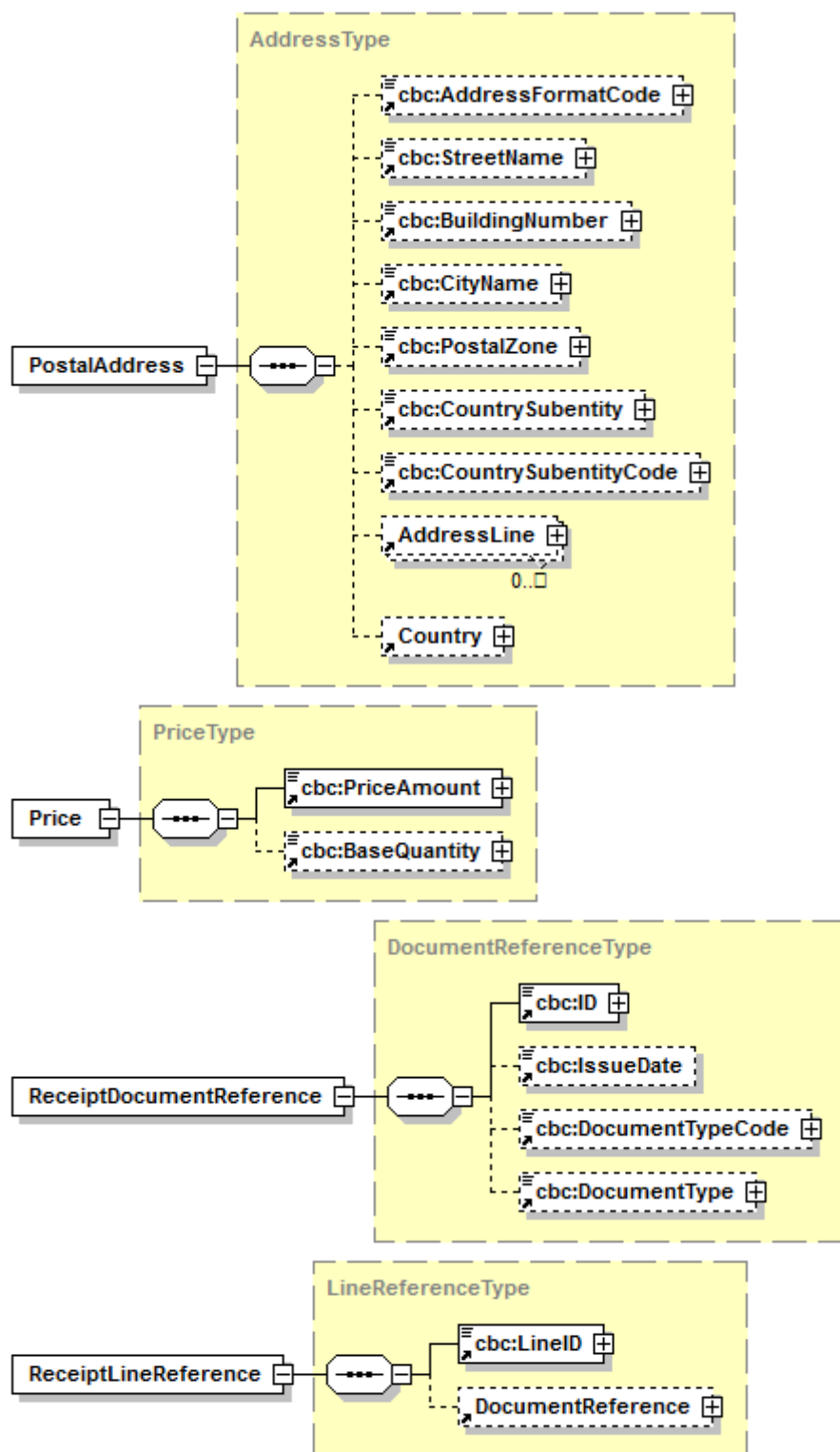


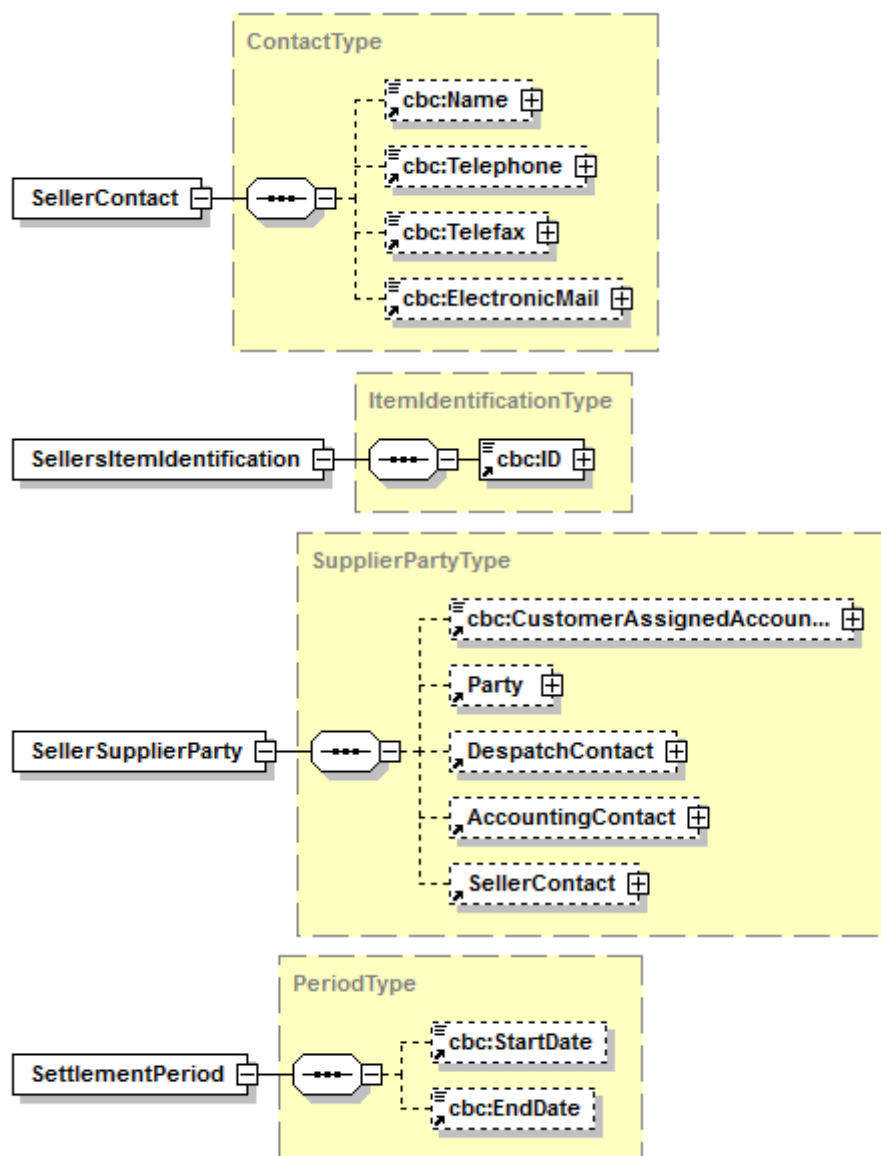


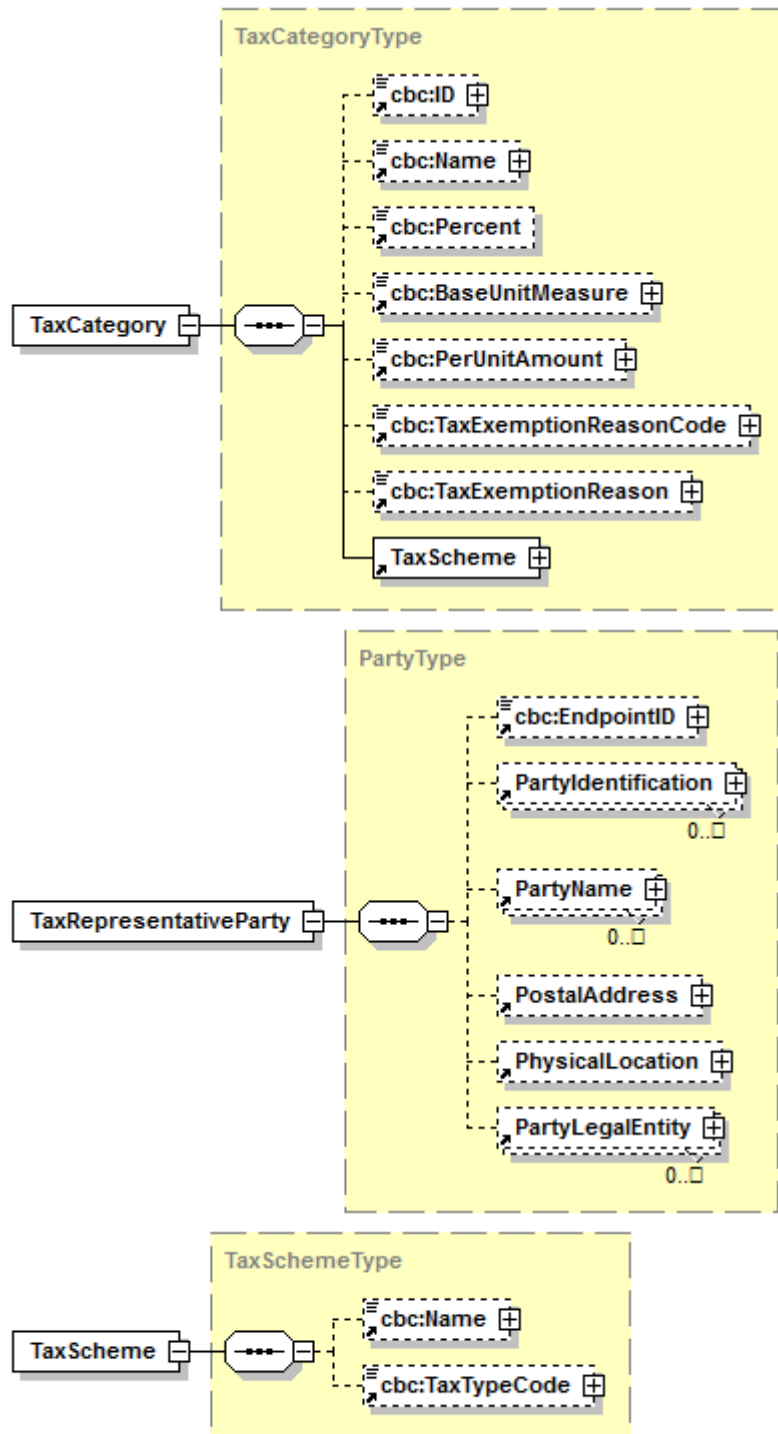


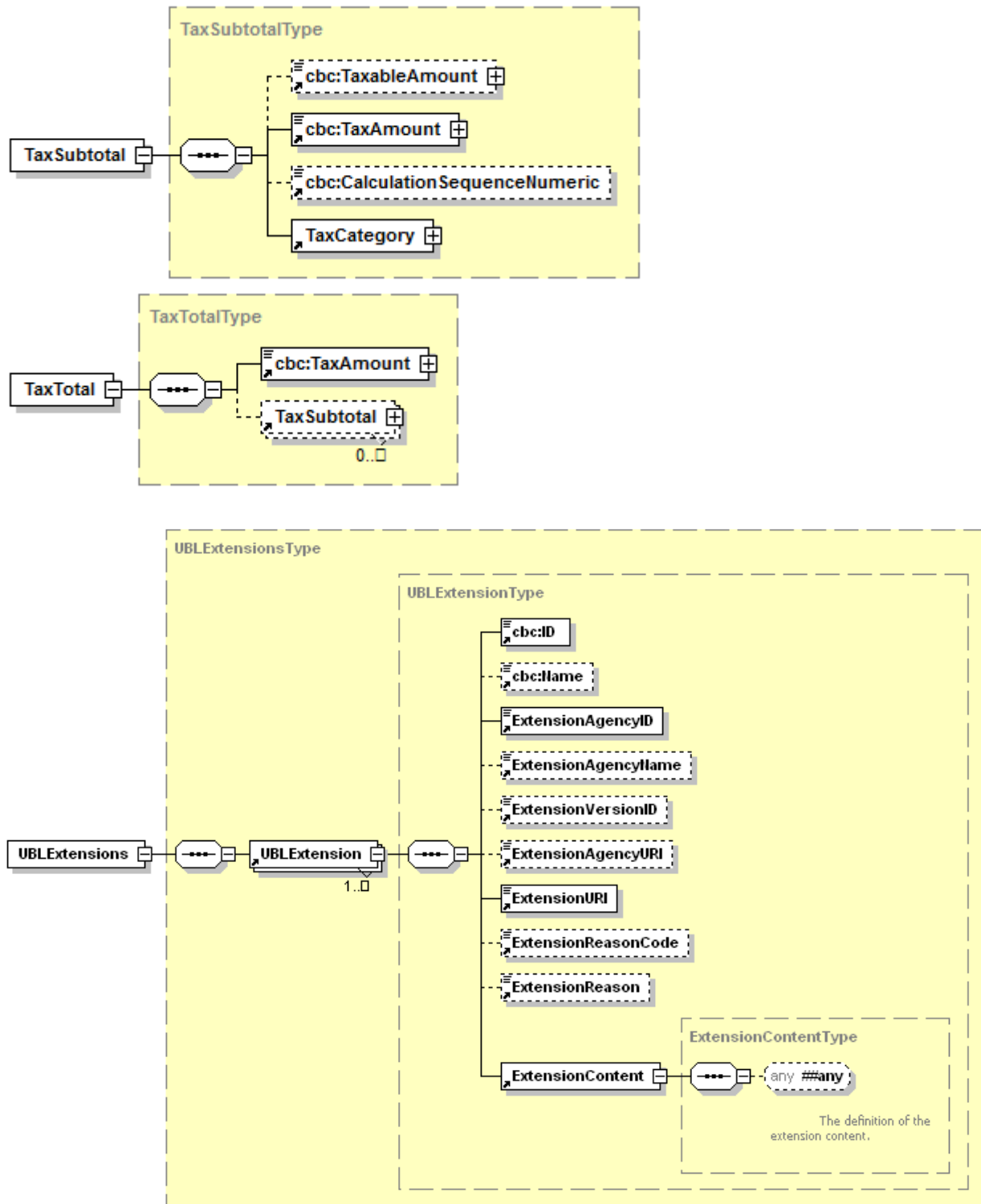












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Opis elemenata RH računa

Elementi e-Računa prikazani su u tablicama 7. i 8., a također su dostupni i u radnim listovima „UBL račun“ i „UBL Zajedničke komponente“ dokumenta „e-Račun Informacijski model 2009-12-23.xls“. Radi se o originalnim UBL dokumentima s popisom elemenata računa i popisom zajedničkih elemenata svih UBL koje su dopunjene s jednom kolonom.

Struktura tablica je sljedeća:

- Prva kolona ima naziv „UBL name“ i sadržava naziv UBL elementa i taj naziv se pojavljuje i kao naziv elementa u XML dokumentu.
- Druga kolona ima naziv „Dio RH računa“ i s „DA“ i zelenom bojom je označeno da određeni element pripada jednostavnom računu. U polju „Dio RH računa“ nalazi se filter podataka kojim je moguće pokazati i ostale elemente UBL računa.
- Treća kolona ima naziv „Cardinality“ i opisuje koliko puta se element može pojaviti na tom mjestu u dokumentu.
- Četvrta kolona ima naziv „Component Type“ i opisuje tip koji je detaljno objašnjen u sljedećem podpoglavlju pod nazivom Core Components Technical Specification.
- Peta kolona pod nazivom „Definition“ sadržava definiciju elementa na engleskom jeziku.
- Na kraju je dodan stupac „Dodatno pojašnjenje“ u kojem se dodatno pojašnjavaju definicija elementa i upotreba u sklopu jednostavnog računa.

Sve ostale kolone u originalnim dokumentima su skrivene.

U nastavku slijedi popis elementa računa prema UBL 2.0 normi.

Tablica 7. Elementi RH računa prema UBL 2.0 normi

UBL Name	Dio RH računa	Cardinality	Component Type	Definition	Dodatni opis
UBLVersionID	DA	0..1	BBIE	The earliest version of the UBL 2 schema for this document type that defines all of the elements that might be encountered in the current instance.	Verzija UBL-a koja se koristi (defaultna vrijednost je "2.0")
CustomizationID	DA	0..1	BBIE	Identifies a user-defined customization of UBL for a specific use.	Identifikator prilagodbe (defaultna vrijednost "HR")
ProfileID	DA	0..1	BBIE	Identifies a user-defined profile of the customization of UBL being used.	Identifikator profila (opisuje poslovni proces)
ID	DA	1	BBIE	An identifier for the Invoice assigned by the Creditor.	Jedinstveni broj računa
CopyIndicator	DA	0..1	BBIE	Indicates whether a document is a copy (true) or not (false).	
IssueDate	DA	1	BBIE	The date assigned by the Creditor on which the Invoice was issued.	Datum izdavanja
InvoiceTypeCode	DA	1	BBIE	Code specifying the type of the Invoice.	Vrsta računa + Tip dokumenta (R1/R2)
Note	DA	0..n	BBIE	Free-form text applying to the Invoice. This element may contain notes or any other similar information that is not contained explicitly in another structure.	Napomena
TaxPointDate	DA	0..1	BBIE	The date of the Invoice, used to indicate the point at which tax becomes applicable.	datum valute?
DocumentCurrencyCode	DA	0..1	BBIE	The currency in which the Document is presented. This may be the same currency as the pricing or as the tax.	Kod jednostavnog računa kod HRK se navodi samo ovdje i vrijedi za cijeli dokument
LineCountNumeric	DA	0..1	BBIE	The number of lines in the document.	Broj stavaka
InvoicePeriod	DA	0..n	ASBIE	An association to period(s) to which the Invoice applies.	Period konsolidacije
OrderReference	DA	0..1	ASBIE	An association to Order Reference.	Narudžba
DespatchDocumentReference	DA	0..n	ASBIE	An associative reference to Despatch Advice.	Otpremnica
ReceiptDocumentReference	DA	0..n	ASBIE	An associative reference to Receipt Advice.	Primka
ContractDocumentReference	DA	0..n	ASBIE	An associative reference to Contract.	Ugovor

AccountingSupplierParty	DA	1	ASBIE	An association to the Accounting Supplier Party.	Ovo je strana koja izdaje račun
AccountingCustomerParty	DA	1	ASBIE	An association to the Accounting Customer Party.	Ovo je strana koja prima račun
Delivery	DA	0..n	ASBIE	An association to Delivery.	Mjesto isporuke robe + Lokacija s koje se šalje roba+ Isporučitelj+Preuzimatelj
DeliveryTerms	DA	0..1	ASBIE	An association to Delivery Terms.	Uvjeti isporuke
PaymentMeans	DA	0..n	ASBIE	An association to Payment Means.	Način plaćanja +Plaćanje
PaymentTerms	DA	0..n	ASBIE	An association to Payment Terms.	Uvjeti plaćanja
AllowanceCharge	DA	0..n	ASBIE	An association to Allowances and Charges that apply to the Invoice as a whole.	Troškovi (naknada ili trošarina) + Rabati
TaxTotal	DA	0..n	ASBIE	An association to tax total for specific tax types/rates.	Razrada poreza za tipove poreza (npr. PDV, trošarine ...)
LegalMonetaryTotal	DA	1	ASBIE	An association to the total amount payable on the Invoice, including Allowances, Charges, and Taxes.	Ukupni iznosi
InvoiceLine	DA	1..n	ASBIE	An association to one or more Invoice Lines.	Stavke računa

Tablica 8. Zajednički elementi UBL dokumenata koji se koriste u RH računu

UBL Name	Dio RH računa	Cardinality	Component Type	Definition	Dodatno pojašnjenje
Address	DA		ABIE	Information about a structured address.	
AddressFormatCode	DA	0..1	BBIE	A code specifying the format of this address.	
StreetName	DA	0..1	BBIE	The name of a street.	
BuildingNumber	da	0..1	BBIE	The number of a building.	
CityName	DA	0..1	BBIE	The name of a city, town, or village.	
PostalZone	DA	0..1	BBIE	The identifier for an addressable group of properties according to the relevant national postal service, such as a ZIP code or Post Code.	Poštanski broj
CountrySubentity	da	0..1	BBIE	A territorial division of a country, such as a county or state.	
CountrySubentityCode	da	0..1	BBIE	A territorial division of a country, such as a	

				county or state, expressed as a code.	
AddressLine	DA	0..n	ASBIE	An association to Address Line.	
Country	DA	0..1	ASBIE	An association to Country.	
AddressLine	DA		ABIE	Information about a line of address expressed as unstructured text.	
Line	DA	1	BBIE	A line of address expressed as unstructured text.	
AllowanceCharge	DA		ABIE	Information about a charge or discount price component.	
ChargeIndicator	DA	1	BBIE	Indicates whether the Allowance Charge is a charge (true) or a discount (false).	
AllowanceChargeReasonCode	DA	0..1	BBIE	The reason for the Allowance Charge, expressed as a code.	
AllowanceChargeReason	DA	0..1	BBIE	The reason for the Allowance Charge, expressed as text.	
MultiplierFactorNumeric	DA	0..1	BBIE	The factor applied to the Base Amount to calculate the Allowance Charge.	
SequenceNumeric	DA	0..1	BBIE	Identifies the numerical order sequence in which Allowance Charges are calculated when multiple Allowance Charges apply. If all Allowance Charges apply to the same Base Amount, SequenceNumeric will be '1' for all Allowance Charges.	
Amount	DA	1	BBIE	The Allowance Charge amount.	
BaseAmount	DA	0..1	BBIE	The amount to which the MultiplierFactorNumeric is applied to calculate the Allowance Charge.	
TaxTotal	DA	0..1	ASBIE	An association to Tax Total.	
PaymentMeans	DA	0..n	ASBIE	An association to Payment Means.	
Branch	da		ABIE	Information about a branch or division of an organization.	
ID	da	0..1	BBIE	An identifier for a branch or division of an organization.	
Name	da	0..1	BBIE	The name of a branch or division of an	

				organization.	
FinancialInstitution	da	0..1	ASBIE	An association to Financial Institution.	
Contact	DA		ABIE	Information about a contactable person or organization department.	
Name	DA	0..1	BBIE	The name of the Contact.	
Telephone	DA	0..1	BBIE	The telephone number of the Contact.	
Telefax	DA	0..1	BBIE	The fax number of the Contact.	
ElectronicMail	DA	0..1	BBIE	The email address of the Contact.	
Country	da		ABIE	Information about a geopolitical country.	
IdentificationCode	da	0..1	BBIE	An identifier for the Country.	
Name	da	0..1	BBIE	The name of the Country.	
CustomerParty	DA		ABIE	Information about the Customer Party.	
CustomerAssignedAccountID	DA	0..1	BBIE	An identifier for the Customer's account, assigned by the Customer itself.	
SupplierAssignedAccountID	DA	0..1	BBIE	An identifier for the Customer's account, assigned by the Supplier.	
Party	DA	0..1	ASBIE	An association to Party.	
DeliveryContact	DA	0..1	ASBIE	An association to Delivery Contact.	
AccountingContact	DA	0..1	ASBIE	An association to Accounting Contact (Customer).	
BuyerContact	DA	0..1	ASBIE	An association to Buyer Contact.	
Delivery	DA		ABIE	Information about Delivery.	
ActualDeliveryDate	DA	0..1	BBIE	The actual Delivery date.	Datum isporuke
DeliveryLocation	DA	0..1	ASBIE	An association to Location.	Mjesto isporuke
DeliveryParty	DA	0..1	ASBIE	The party to whom the goods/services are delivered.	
Despatch	DA	0..1	ASBIE	An association to the Despatch.	
DeliveryTerms	DA		ABIE	Information about Delivery Terms.	
SpecialTerms	DA	0..1	BBIE	A description of special conditions relating to the Delivery Terms.	Uvjeti isporuke
Despatch	DA		ABIE	Information about Despatch.	
ActualDespatchDate	da	0..1	BBIE	The actual despatch (pick-up) date.	
DespatchParty	DA	0..1	ASBIE	The party who despatched the delivery.	

DocumentReference	DA		ABIE	Information about a document referred to in another document.	
ID	DA	1	BBIE	Identifies the document being referred to.	
IssueDate	DA	0..1	BBIE	The date, assigned by the sender of the referenced document, on which the referenced document was issued.	
DocumentTypeCode	da	0..1	BBIE	The document type, expressed as a code.	
DocumentType	da	0..1	BBIE	The document type, expressed as text.	
FinancialAccount	DA		ABIE	Information about a Financial Account.	
ID	DA	0..1	BBIE	The identifier for the Financial Account; the Bank Account Number.	Broj bankovnog računa, IBAN
Name	da	0..1	BBIE	The name of the Financial Account.	
FinancialInstitutionBranch	da	0..1	ASBIE	An association to Financial Institution Branch.	
FinancialInstitution	da		ABIE	Information about a Financial Institution.	
ID	da	0..1	BBIE	The identifier for the Financial Institution expressed as a code; ISO 9362 BIC (Bank Identification Code) is recommended.	
Name	da	0..1	BBIE	The name of the Financial Institution.	
InvoiceLine	DA		ABIE	Information about an Invoice Line.	
ID	DA	1	BBIE	Identifies the Invoice Line.	
InvoicedQuantity	DA	0..1	BBIE	The quantity (of Items) on the Invoice Line.	Količina robe ili usluga
LineExtensionAmount	DA	1	BBIE	The total amount for the Invoice Line, including Allowance Charges but net of taxes.	Ukupna cijena s uključenim popustima, ali bez poreza
OrderLineReference	DA	0..n	ASBIE	An association to Order Line Reference.	
DespatchLineReference	DA	0..n	ASBIE	An associative reference to Despatch Line.	
ReceiptLineReference	DA	0..n	ASBIE	An associative reference to Receipt Line.	
Delivery	DA	0..n	ASBIE	An association to Delivery.	Mjesto dodatave artikla + Lokacija s koje se šalje artikl
AllowanceCharge	DA	0..n	ASBIE	An association to Allowance Charge.	
TaxTotal	DA	0..n	ASBIE	An association to Tax Total.	
Item	DA	1	ASBIE	An association to Item.	
Price	DA	0..1	ASBIE	An association to Price.	
Item	DA		ABIE	Information directly relating to an item.	
Description	DA	0..n	BBIE	Free-form field that can be used to give a text	Opis robe

				description of the item.	
PackQuantity	da	0..1	BBIE	The unit packaging quantity.	
PackSizeNumeric	da	0..1	BBIE	The number of items in a pack.	
Name	DA	0..1	BBIE	A short name optionally given to an item, such as a name from a Catalogue, as distinct from a description.	
BuyersItemIdentification	DA	0..1	ASBIE	Associates the item with its identification according to the buyer's system.	
SellersItemIdentification	DA	0..1	ASBIE	Associates the item with its identification according to the seller's system.	Id ili šifra robe (GTIN)
ManufacturersItemIdentification	da	0..n	ASBIE	Associates the item with its identification according to the manufacturer's system.	
AdditionalItemIdentification	DA	0..n	ASBIE	Associates the item with other identification means.	
OriginCountry	da	0..1	ASBIE	Associates the item with its country of origin.	
AdditionalItemProperty	DA	0..n	ASBIE	Associates the item with a set of additional properties.	Goods, Services, Packages
ItemIdentification	DA		ABIE	Information about item identification.	
ID	DA	1	BBIE	An identifier for an item.	
ItemProperty	DA		ABIE	Information about specific Item Properties.	
Name	DA	1	BBIE	The name of the Item Property.	
Value	DA	1	BBIE	The Item Property value.	
LineReference	DA		ABIE	Reference to a Line on a document.	
LineID	DA	1	BBIE	Identifies the Line on the referenced document.	
DocumentReference	DA	0..1	ASBIE	An association to Document Reference.	
Location	da		ABIE	Information about a location.	
ID	da	0..1	BBIE	The unique identifier for the location, e.g., the EAN Location Number, GLN.	
Address	da	0..1	ASBIE	Association to the address of the location.	
MonetaryTotal	DA		ABIE	Information about Monetary Totals.	
LineExtensionAmount	DA	0..1	BBIE	The total of Line Extension Amounts net of tax and settlement discounts, but inclusive of any applicable rounding amount.	

TaxExclusiveAmount	DA	0..1	BBIE	The total amount exclusive of taxes.	
TaxInclusiveAmount	DA	0..1	BBIE	The total amount inclusive of taxes.	
AllowanceTotalAmount	DA	0..1	BBIE	The total amount of all allowances.	
ChargeTotalAmount	DA	0..1	BBIE	The total amount of all charges.	
PrepaidAmount	DA	0..1	BBIE	The total prepaid amount.	
PayableAmount	DA	1	BBIE	The total amount to be paid.	
OrderLineReference	DA		ABIE	Information about an Order Line Reference.	
LineID	DA	1	BBIE	Identifies the referenced Order Line assigned by the buyer.	
OrderReference	DA	0..1	ASBIE	An association to Order Reference.	
OrderReference	DA		ABIE	Information about an Order Reference.	
ID	DA	1	BBIE	Identifies the referenced Order assigned by the buyer.	
IssueDate	DA	0..1	BBIE	The date on which the referenced Order was issued.	
Party	DA		ABIE	Information about an organization, sub-organization, or individual fulfilling a role in a business process.	
EndpointID	da	0..1	BBIE	Identifies the end point of the routing service, e.g., EAN Location Number, GLN.	
PartyIdentification	DA	0..n	ASBIE	An association to Party Identification.	
PartyName	DA	0..n	ASBIE	An association to Party Name.	
PostalAddress	DA	0..1	ASBIE	The party's postal address.	
PhysicalLocation	da	0..1	ASBIE	The party's physical location.	
PartyLegalEntity	da	0..n	ASBIE	An association to Party Legal Entity.	
PartyIdentification	DA		ABIE	Information about a party's identification.	
ID	DA	1	BBIE	Identifies a party.	mb
PartyLegalEntity	da		ABIE	Information directly relating to the legal registration that is applicable to a party.	
CompanyID	da	0..1	BBIE	Identifies a company as registered with the company registration scheme.	
PartyName	DA		ABIE	Information about a party's name.	
Name	DA	1	BBIE	The name of the party.	
PaymentMeans	DA		ABIE	Information about Payment Means.	

PaymentMeansCode	DA	1	BBIE	The Payment Means expressed as a code	
PaymentDueDate	DA	0..1	BBIE	The date on which payment is due for the Payment Means.	Datum plaćanja
PaymentChannelCode	DA	0..1	BBIE	The Payment Channel, expressed as a code.	
InstructionID	DA	0..1	BBIE	Identifies the Payment Instruction.	Model zaduženja
InstructionNote	DA	0..n	BBIE	Free-form text applying to the Payment.	Poziv na broj zaduženja
PayerFinancialAccount	da	0..1	ASBIE	An association to the payer's Financial Account.	
PayeeFinancialAccount	DA	0..1	ASBIE	An association to the payee's Financial Account.	Broj računa
PaymentTerms	DA		ABIE	Information about Payment Terms.	
Note	DA	0..n	BBIE	Free-form text applying to the Payment Terms. This element may contain notes or any other similar information that is not contained explicitly in another structure.	
SettlementDiscountPercent	DA	0..1	BBIE	The settlement discount rate (percentage) offered for payment within the settlement period.	
PenaltySurchargePercent	da	0..1	BBIE	The penalty rate (percentage) charged for late payment.	
Amount	DA	0..1	BBIE	The payment amount for the Payment Terms.	
SettlementPeriod	DA	0..1	ASBIE	An association to Settlement Period.	
Period	DA		ABIE	Information about a period of time.	
StartDate	DA	0..1	BBIE	The start date of the period.	
EndDate	DA	0..1	BBIE	The end date of the period.	
Person	da		ABIE	Information about a person.	
FirstName	da	0..1	BBIE	A person's forename or first name.	
FamilyName	da	0..1	BBIE	A person's surname or family name.	
JobTitle	da	0..1	BBIE	A person's job title within an organization (for a particular role).	
OrganizationDepartment	da	0..1	BBIE	The department or subdivision of an organization that the person belongs to (for a particular role).	
Price	DA		ABIE	Information about the price.	

PriceAmount	DA	1	BBIE	The price amount.	Neto cijena bez poreza s uračunatim popustima
BaseQuantity	DA	0..1	BBIE	The actual quantity to which the price applies.	
SupplierParty	DA		ABIE	Information about the Supplier Party.	
CustomerAssignedAccountID	DA	0..1	BBIE	The customer's internal identifier for the supplier.	
Party	DA	0..1	ASBIE	An association to Party.	
DespatchContact	DA	0..1	ASBIE	An association to Despatch Contact.	
AccountingContact	DA	0..1	ASBIE	An association to Supplier Accounting Contact.	
SellerContact	DA	0..1	ASBIE	An association to Seller.	
TaxCategory	DA		ABIE	Information about a tax category.	
ID	DA	0..1	BBIE	Identifies the tax category.	
Name	DA	0..1	BBIE	The name of the tax category.	
Percent	DA	0..1	BBIE	The tax rate for the category, expressed as a percentage.	
BaseUnitMeasure	DA	0..1	BBIE	Where a tax is applied at a certain rate per unit, the measure of units on which the tax calculation is based.	
PerUnitAmount	DA	0..1	BBIE	Where a tax is applied at a certain rate per unit, the rate per unit applied.	
TaxExemptionReasonCode	DA	0..1	BBIE	The reason for tax being exempted expressed as a code.	
TaxExemptionReason	DA	0..1	BBIE	The reason for tax being exempted.	
TaxScheme	da	1	ASBIE	An association to Tax Scheme.	
TaxScheme	DA		ABIE	Information about a tax scheme.	
Name	DA	0..1	BBIE	The name of the tax scheme.	
TaxTypeCode	DA	0..1	BBIE	An identifier for the tax type.	
TaxSubtotal	DA		ABIE	Information about the subtotal for a particular tax category within a tax scheme, such as standard rate within VAT.	
TaxableAmount	DA	0..1	BBIE	The net amount to which the tax percent (rate) is applied to calculate the tax amount.	
TaxAmount	DA	1	BBIE	The amount of tax stated explicitly.	
CalculationSequenceNumeric	DA	0..1	BBIE	Identifies the numerical order sequence in	

				which taxes are applied when multiple taxes are attracted. If all taxes apply to the same taxable amount, CalculationSequenceNumeric will be '1' for all taxes.	
TaxCategory	DA	1	ASBIE	An association to Tax Category.	
TaxTotal	DA		ABIE	Information about a total amount of a particular type of tax.	
TaxAmount	DA	1	BBIE	The total tax amount for particular tax scheme e.g. VAT; the sum of each of the tax subtotals for each tax category within the tax scheme.	
TaxSubtotal	DA	0..n	ASBIE	An association to Tax Subtotal.	

XML Scheme za RH račun

XML scheme koje definiraju jednostavni račun nalaze se u prilogu ovog dokumenta. Za potrebe RH računa editirane su i promijenjene prve dvije XML Scheme s liste koja slijedi.

Struktura XML Schema je sljedeća:

- **xsd/main/UBL-Invoice-2.0.xsd** - glavna XML schema koja definira jednostavni račun. Ova XML Schema uključuje ostale XML scheme koje se nalaze u nastavku ove liste. U ovoj XML schemi je definiran složena komponenta InvoiceType.
- **xsd/common/UBL-CommonAggregateComponents-2.0.xsd** – XML Schema koja definira složene komponente koje su zajedničke i drugim UBL dokumentima
- **xsd/common/UBL-CommonBasicComponents-2.0.xsd** – XML Schema koja definira osnovne tipove koji su zajednički i drugim UBL dokumentima
- **xsd/common/UBL-ExtensionContentDatatype-2.0.xsd** – XML Schema koja definira složenu komponentu koja je osnova za proširenje UBL dokumenata
- **xsd/common/UBL-QualifiedDatatypes-2.0.xsd** – XML Schema koja definira kvalificirane tipove podataka
- **xsd/common/UnqualifiedDataTypeSchemaModule-2.0.xsd** – XML Schema koja definira nekvalificirane tipove podataka
- **xsd/common/CodeList_CurrencyCode_ISO_7_04.xsd** – XML Schema koja definira listu valuta
- **xsd/common/CodeList_LanguageCode_ISO_7_04.xsd** – XML Schema koja definira listu jezika
- **xsd/common/CodeList_MIMEMediaTypeCode_IANA_7_04.xsd** – XML Schema koja definira listu standardnih tipova dokumenata
- **xsd/common/CodeList_UnitCode_UNECE_7_04.xsd** – XML Schema koja definira listu mjernih jedinica

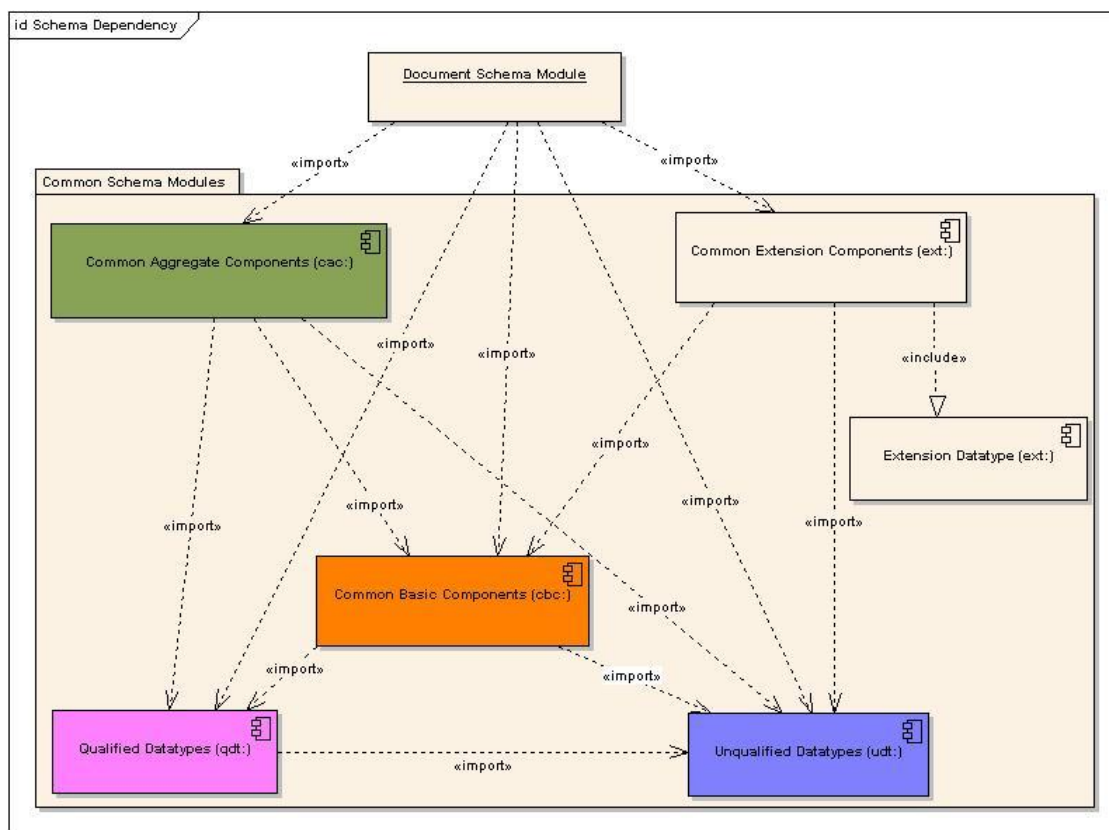
Međuovisnost XML Schema je prikazana na slici 3.

Svaki element XML Scheme je definiran na standardni način te se čitanjem XML Scheme može dobiti uvid u značenje pojedinih elemenata. Primjer dokumentiranog elementa je prikazan na slici 4. Princip dokumentiranja je sljedeći:

Osnovni informacije koje opisuju jezgrene komponente su sljedeće:

- Tip komponente (*eng. ComponentType*) (Obavezna informacija) – Tip komponente prema CCTS specifikaciji (Vidi Prilog 1.)
- Naziv u rječniku (*eng. Dictionary Entry Name*) (Obavezna informacija) – Jedinstveni službeni naziv jezgrene komponente u rječniku.
- Definicija (*eng. Definition*) (Obavezna informacija) – Opis poslovnog značenja jezgrene komponente
- Kardinalnost (*eng. Cardinality*) – Definira da li je element obavezan i koliko puta se može pojaviti na tom mjestu.
- Objektna klasa (*eng. Object class*) – Predstavlja logičku grupu ili agregaciju (u logičkom modelu podataka) kojoj svojstvo pripada.
- Naziv svojstva (*eng. Property term*) – Predstavlja razlikovnu karakteristiku ili svojstvo objektna klase i prirodno je da se pojavljuje u definiciji.

- Prezentacijski termin (*eng. Representation Term*) – Dio jezgrene komponente koji opisuje formu u kojoj se jezgrena komponenta prezentira.
- Podatkovni tip (*eng. Data Type*) – Tip podataka koji se koristi za zapis elementa.
- Poslovni termin (*eng. Alternative Business Terms*) (Opcionalna informacija) – Sinonim pod kojim je jezgrena komponenta poznata i koristi se u poslovanju. Jezgrena komponenta može imati nekoliko poslovnih termina ili sinonima.



Slika 3. Međuovisnost XML Schema⁹

```

<xsd:element ref="cbc:IssueDate">
  <xsd:annotation>
    <xsd:documentation>
      <ccts:Component>
        <ccts:ComponentType>BBIE</ccts:ComponentType>
        <ccts:DictionaryEntryName>Invoice. Issue Date. Date</ccts:DictionaryEntryName>
        <ccts:Definition>The date assigned by the Creditor on which the Invoice was issued.</ccts:Definition>
        <ccts:Cardinality>1</ccts:Cardinality>
        <ccts:ObjectClass>Invoice</ccts:ObjectClass>
        <ccts:PropertyTerm>Issue Date</ccts:PropertyTerm>
        <ccts:RepresentationTerm>Date</ccts:RepresentationTerm>
        <ccts:DataType>Date. Type</ccts:DataType>
        <ccts:AlternativeBusinessTerms>Invoice Date</ccts:AlternativeBusinessTerms>
      </ccts:Component>
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>

```

Slika 4. Primjer dokumentiranog elementa u XML Schemi

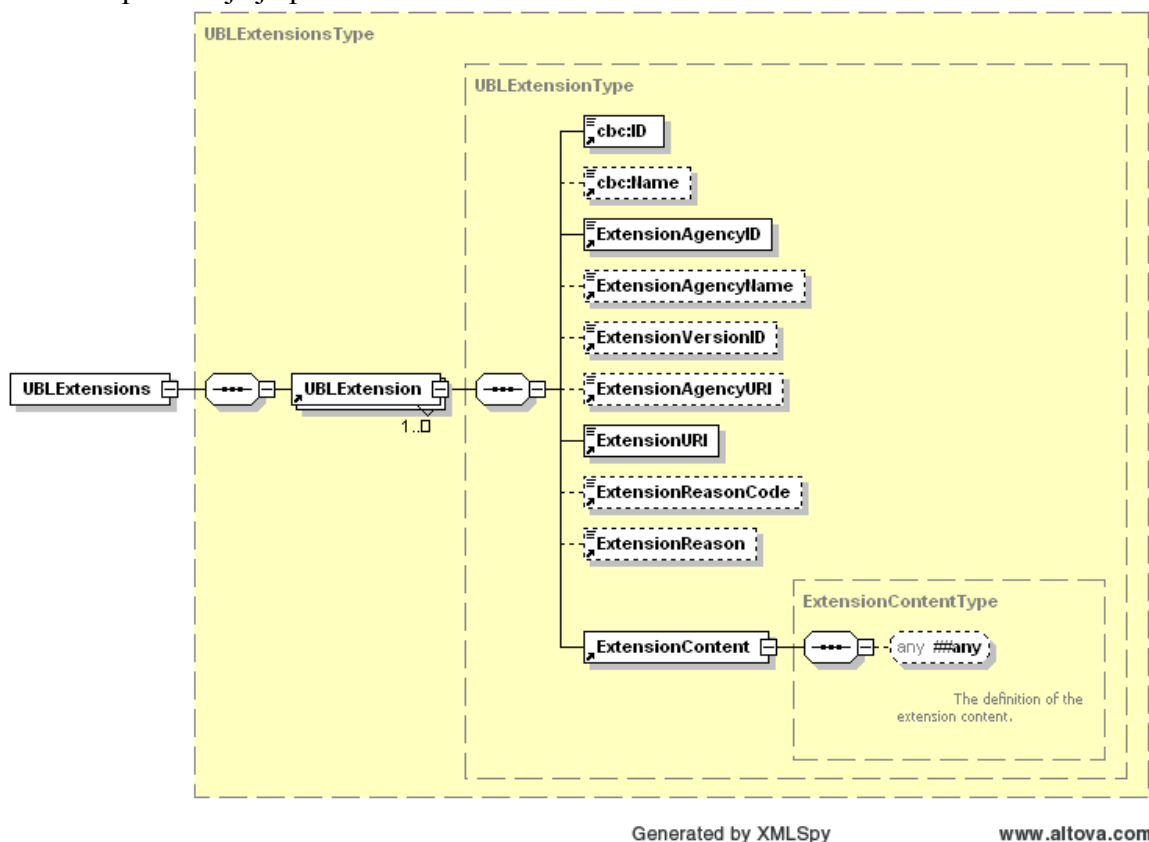
⁹ <http://docs.oasis-open.org/ubl/cs-UBL-2.0/UBL-2.0.html>

UBL Proširenja

U poglavlju Izrada UBL podskupa je spomenuto da je UBL dokumente moguće proširiti sa proizvoljnim brojem i tipom elemenata koristeći ugrađeni mehanizam za proširenje.

Proširenja se mogu definirati jedino na razini dokumenta. Ako je proširenje potrebno na razini linije, potrebno je kreirati paralelnu strukturu dokumenta na razini dokumenta i referencirati koristeći XPath adresu.

Struktura proširenja je prikazana na slici 33.



Slika 33. Struktura UBL proširenja

Elementi proširenja su:

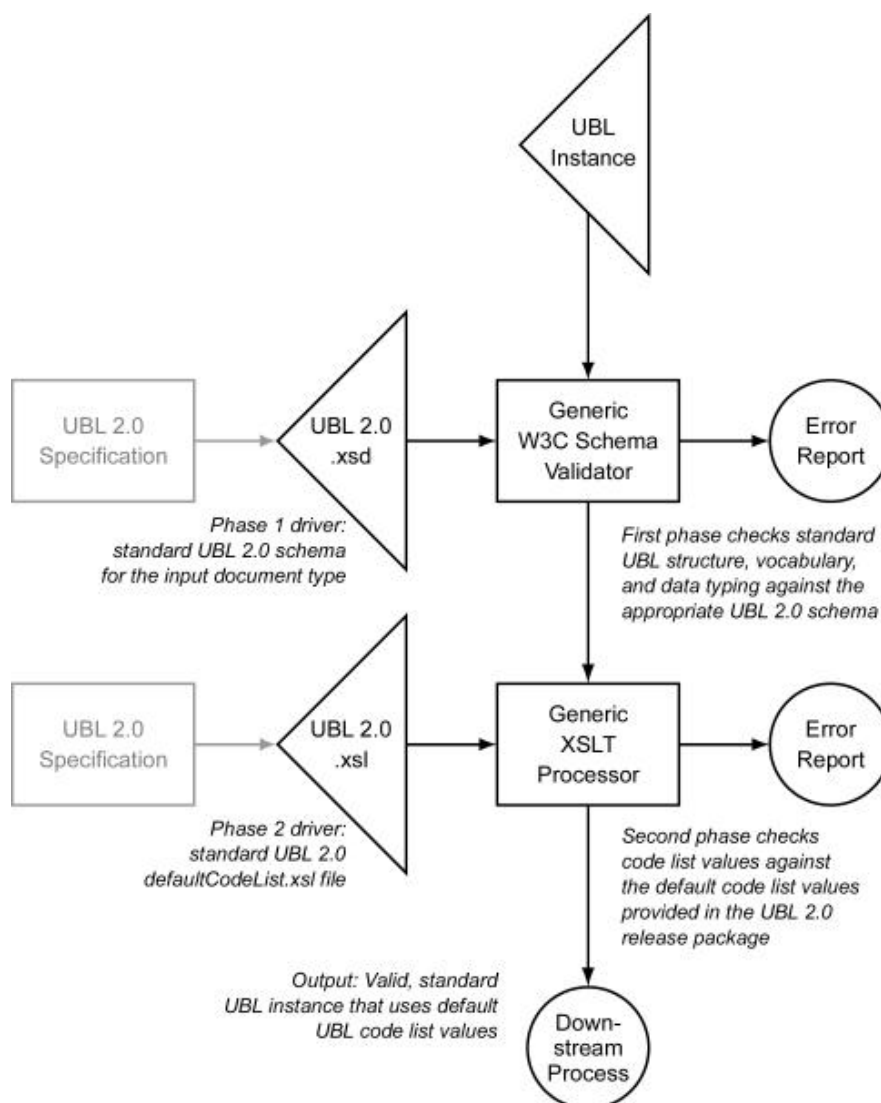
UBL name	Opis	Cardinality
UBLExtension / ID	Identifikator proširenja	1
UBLExtension / Name	Naziv proširenja	0..1
UBLExtension / ExtensionAgencyID	ID agencije koja je odobrila proširenje	1
UBLExtension / ExtensionAgencyName	Naziv agencije koja je odobrila proširenje	0..1
UBLExtension / ExtensionAgencyURI	URI agencije koja je odobrila proširenje	0..1
UBLExtension / ExtensionURI	URI proširenja	1
UBLExtension / ExtensionReasonCode	Šifra razloga proširenja	0..1
UBLExtension / ExtensionReason	Opis razloga proširenja	0..1
UBLExtension / ExtensionContent	Sadržaj	1

Validacija računa

UBL preporuča provjeru ispravnosti dokumenata u dvije faze kao što je to prikazano na slici 5. U prvoj fazi se provjerava struktura dokumenta s obzirom na XML scheme. Budući da se isti složeni objekti koriste u različitim poslovnim kontekstima u ovoj fazi nije moguće osigurati niti validaciju karidnalnosti u svim slučajevima.

Zbog toga se preporuča validacija s primjenom Schematrona gdje se radi transformacija s unaprijed definiranim XSLT predloškom i gdje se mogu provjeriti složena pravila kao što su: provjera postojanja ili vrijednosti elementa s obzirom na vrijednost nekog drugog elementa ili atributa, provjera vrijednosti s obzirom na kodne liste itd.

Izrada pripadajućeg XSLT predloška će biti napravljena kada bude točno definirani format jednostavnog računa i sva pravila koja trebaju biti primijenjena.



Slika 5. Validacija dokumenta u dvije faze.

Kodne liste

Zbog automatizacije procesa obrade računa preporuka je da se što više elemenata definira pomoću kodnih lista.

Kodne liste su predmet rasprave i u ovoj specifikaciji se donosi pregled najizglednijih kodnih lista:

Tablica 9. Pregled kodnih lista

Naziv na hrvatskom	Službeni naziv	Datoteka u prilogu	Web adresa
Valuta	ISO 4217	ISO_ISO3AlphaCurrencyCode_20090305.xsd	
Format adrese	UN/CEFACT 3477 Address format code		http://www.unece.org/trade/untdid/d02b/tred/tred3477.htm
Šifra države	ISO 3166-1 country codes		http://www.iso.org/iso/english_country_names_and_code_elements
Šifra mjesta (samo gradovi)	UN/LOCODE	2009-1 UNLOCODE CodeList_prt1.csv 2009-1 UNLOCODE CodeList_prt2.csv	http://www.unece.org/cefact/codesfortrade/codes_index.htm
Poštanski broj (RH)			http://www.posta.hr/main.aspx?id=148&trazi=1&vrsta=2
Šifra načina plaćanja	UN/CEFACT 4461 Payment means code	UNECE_PaymentMeans Code_D08B.xsd	http://www.unece.org/trade/untdid/d02b/tred/tred4461.htm
Šifra kanala plaćanja	UN/CEFACT 4435 Payment channel code	UNECE_PaymentMeans ChannelCode_D08B.xsd	http://www.unece.org/trade/untdid/d02b/tred/tred4435.htm
Šifra mjernih jedinica	Codes for Units of Measurement used in the International Trade	UNECE_MeasurementUnitCommonCode_5.xsd	http://www.unece.org/cefact/codesfortrade/codes_index.htm
Šifra kodne stranica	IANA CharacterSetCode	IANA_CharacterSetCode_20070514.xsd	
Šifra tipa elektroničkog sadržaja na	IANA MIMEMediaType	IANA_MIMEMediaType_20090304.xsd	

Internetu			
-----------	--	--	--

Popis svih kodnih lista iza kojih stoji UN/CEFACT moguće je pronaći na <http://www.unece.org/trade/untdid/d02b/tred/tredi2.htm>

Neke liste su već predefinisane i mogu se uključiti pozivanjem XML Scheme UBL-QualifiedDatatypes-2.0.xsd. Ipak i te liste se po potrebi mogu preurediti da odgovaraju specifičnim potrebama, ali u tom slučaju ime treba promijeniti prostor imena.

U nastavku je opisane kodna lista za tip računa, a za koju ne postoji međunarodno prihvaćena kodna lista koja bi ispunjavala sve hrvatske potrebe. XML Sheme kodnih lista će biti izrađene nakon rasprave o elementima tih lista prema pravilima UBL-a.

Sve kodne liste će biti jano dostupne na adresi koju treba definirati i rezervirati, a u primjeru se koristi sljedeća adresa:

<http://cv.eracun.hr/ubl/os-ubl-2.0/cl/gc/>

InvoiceTypeCode

Identifikacija

Identifikacija	urn:hrubl:codelist:taxtypecode-1.1
Krtaki naziv	InvoiceTypeCode
Opis	Lista kodaova za tip računa
Verzija	1.1
CanonicalUri	urn: hrubl:codelist:invoicetypecode
CanonicalVersionUri	urn: hrubl:codelist:invoicetypecode-1.1
Zadnji put promijenjeno	27-04-2009

Vrijednosti

Vrijednost	Kratika	Kratki opis	Dugi opis
InvoiceR1	InvoiceR1	Račun R1	Račun za obveznike PDV-a
InvoiceR2	InvoiceR2	Račun R2	Račun za fizičke i pravne osobe koji nisu u sustavu PDV-a
Quote	Quote	Predračun	Predračun

Primjer:

```
<cbc:InvoiceTypeCode listSchemeURI="urn:hrubl:codelist:invoicetypecode-1.1" listVersionID="1.1"
listName="invoicetypecode" listURI="http://cv.eracun.hr/ubl/os-ubl-2.0/cl/gc/invoicetypecode"
listAgencyName="RH">InvoiceR1</cbc:InvoiceTypeCode>
```

Ili skraćeno:

```
<cbc:InvoiceTypeCode>InvoiceR1</cbc:InvoiceTypeCode>
```

TaxTypeCode

Identifikacija

Identifikacija	urn:hrubl:codelist:taxtypecode-1.1
Krtaki naziv	TaxTypeCode
Opis	Lista kodova za tip poreza
Verzija	1.1
CanonicalUri	urn:hrubl:codelist:taxtypecode
CanonicalVersionUri	urn:hrubl:codelist:taxtypecode -1.1
Zadnji put promijenjeno	27-04-2009

Vrijednosti

Vrijednost	Kratika	Kratki opis	Dugi opis
ZeroRated	ZeroRated	Bez poreza	Bez poreza
VAT	VAT	Porez na dodatnu vrijednost	Porez na dodatnu vrijednost
Excise	Excise	Trošarina	trošarina

Primjer:

```
<cbc:TaxTypeCode listSchemeURI="urn:hrubl:codelist:taxtypecode-1.1" listVersionID="1.1" listName="taxtypecode"
listURI="http://cv.eracun.hr/ubl/os-ubl-2.0/cl/gc/taxtypecode" listAgencyName="RH"> StandardRated </cbc:TaxTypeCode>
```

Primjer računa u XML formatu

U nastavku je prikazan primjer računa u XML formatu prema pravilima definiranim u ovoj specifikaciji. Primjer je nastao prema priloženim XML shemama korištenjem alata XML Spy i sadržava sve elemente koji se mogu pojaviti u računu.

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Sample XML file generated by XMLSpy v2009 sp1 (http://www.altova.com)-->
<Invoice xsi:schemaLocation="urn:oasis:names:specification:ubl:schema:xsd:Invoice-2 UBL-Invoice-2.0.xsd"
xmlns="urn:oasis:names:specification:ubl:schema:xsd:Invoice-2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:cac="urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-2"
xmlns:cbc="urn:oasis:names:specification:ubl:schema:xsd:CommonBasicComponents-2"
xmlns:ext="urn:oasis:names:specification:ubl:schema:xsd:CommonExtensionComponents-2">
  <ext:UBLExtensions>
    <ext:UBLExtension>
      <cbc:ID>normalizedString</cbc:ID>
      <cbc:Name>String</cbc:Name>
      <ext:ExtensionAgencyID>normalizedString</ext:ExtensionAgencyID>
      <ext:ExtensionAgencyName>String</ext:ExtensionAgencyName>
      <ext:ExtensionVersionID>normalizedString</ext:ExtensionVersionID>
      <ext:ExtensionAgencyURI>normalizedString</ext:ExtensionAgencyURI>
      <ext:ExtensionURI>normalizedString</ext:ExtensionURI>
      <ext:ExtensionReasonCode>normalizedString</ext:ExtensionReasonCode>
      <ext:ExtensionReason>String</ext:ExtensionReason>
      <ext:ExtensionContent/>
    </ext:UBLExtension>
  </ext:UBLExtensions>
  <cbc:UBLVersionID>normalizedString</cbc:UBLVersionID>
  <cbc:CustomizationID>normalizedString</cbc:CustomizationID>
  <cbc:ProfileID>normalizedString</cbc:ProfileID>
```

```

<cbc:ID>normalizedString</cbc:ID>
<cbc:CopyIndicator>true</cbc:CopyIndicator>
<cbc:IssueDate>1967-08-13</cbc:IssueDate>
<cbc:InvoiceTypeCode>normalizedString</cbc:InvoiceTypeCode>
<cbc:Note>String</cbc:Note>
<cbc:TaxPointDate>1967-08-13</cbc:TaxPointDate>
<cbc:DocumentCurrencyCode>normalizedString</cbc:DocumentCurrencyCode>
<cbc:LineCountNumeric>0.0</cbc:LineCountNumeric>
<cac:InvoicePeriod>
  <cbc:StartDate>1967-08-13</cbc:StartDate>
  <cbc:EndDate>1967-08-13</cbc:EndDate>
</cac:InvoicePeriod>
<cac:OrderReference>
  <cbc:ID>normalizedString</cbc:ID>
  <cbc:IssueDate>1967-08-13</cbc:IssueDate>
</cac:OrderReference>
<cac:DespatchDocumentReference>
  <cbc:ID>normalizedString</cbc:ID>
  <cbc:IssueDate>1967-08-13</cbc:IssueDate>
  <cbc:DocumentTypeCode>normalizedString</cbc:DocumentTypeCode>
  <cbc:DocumentType>String</cbc:DocumentType>
</cac:DespatchDocumentReference>
<cac:ReceiptDocumentReference>
  <cbc:ID>normalizedString</cbc:ID>
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```

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```

```

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Prilog 1. Core Components Technical Specification (CCTS)

CCTS je namijenjen za rješavanje problema informacijske interoperabilnosti u području poslovnih aplikacija. U specifikaciji je opisana metodologija za razvoj zajedničkog skupa semantičkih građevnih blokova koji prezentiraju općenite tipove poslovnih podataka koji se danas koriste. CC koncept definira novu paradigmu u dizajniranju i implementaciji ponovno iskoristivih, sintaksno neutralnih informacijskih građevnih blokova.

CCTS uvodi pojam jezgrene komponente koja je građevni blok za ostvarenje semantički ispravnog i smislenog informacijskog paketa koji se razmjenjuje. Jezgrena komponenta sadrži samo informacijski dio koji je neophodan za opis specifičnog koncepta.

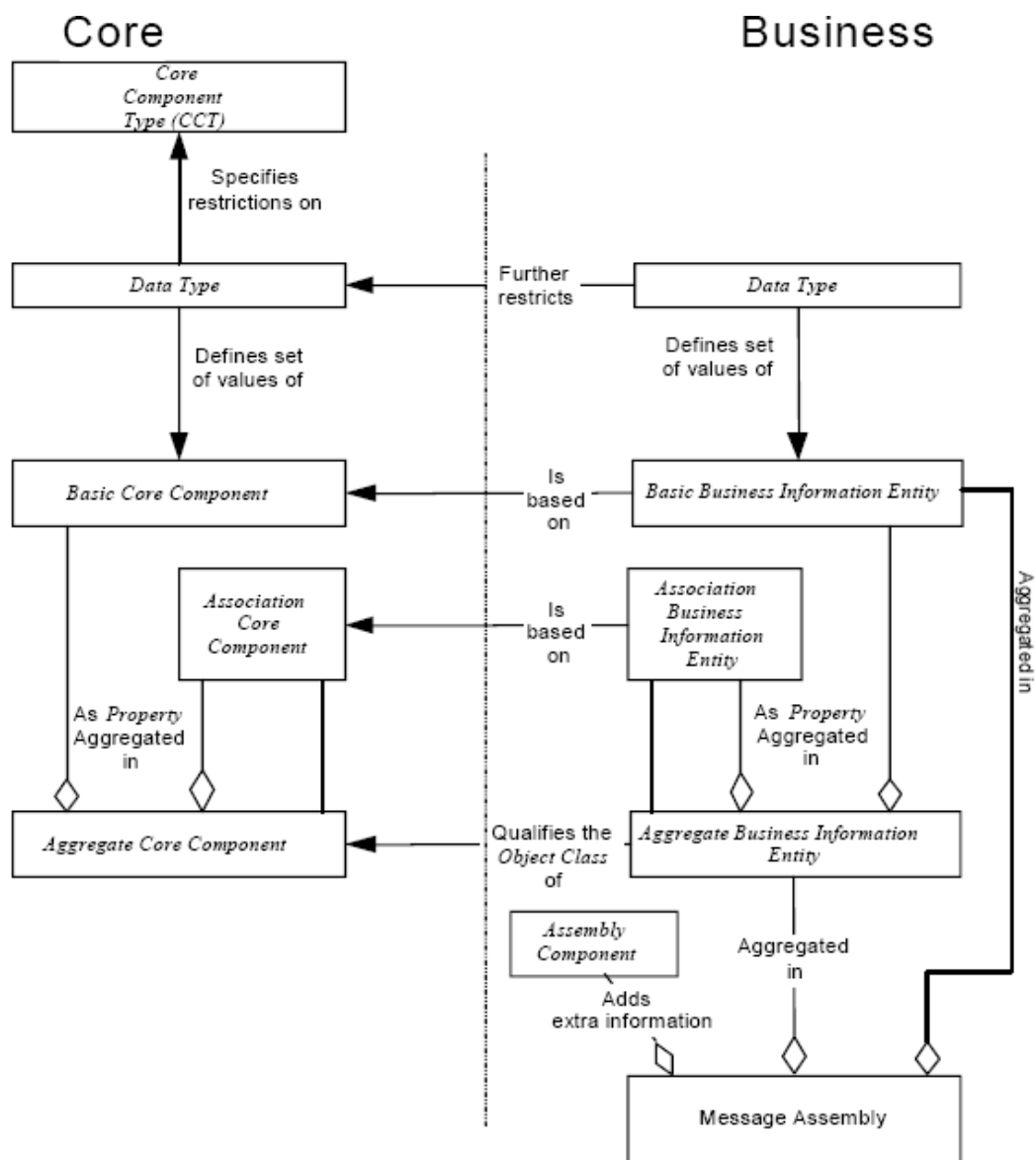
Osnovni jezgreni elementi su: Osnovna jezgrena komponenta (*Basic Core Component*), Asocijacijska jezgrena komponenta (*Association Core Component*), Složena jezgrena komponenta (*Aggregation Core Component*), Tip jezgrene komponente (*Core Component Type*), Podatkovni tip (*Data Type*). Osnovna jezgrena komponenta je jezgrena komponenta koja izgrađuje pojedinačnu poslovnu karakteristiku specifične Složene jezgrene komponente koja reprezentira objektu klasu. Ima jedinstvenu poslovno-semantičku definiciju. Asocijacijska jezgrena komponenta je jezgrena komponenta koja predstavlja kompleksnu poslovnu karakteristiku specifične Složene jezgrene komponente koja reprezentira objektu klasu. Ima jedinstvenu poslovno-semantičku definiciju. Složena

jezgrena komponenta je skup povezanih dijelova poslovnih informacija koje nose jedinstveno poslovno značenje, neovisno o bilo kakvom poslovnom kontekstu. Složena jezgrena komponenta je reprezentacija objektne klase i neovisna je o poslovnom kontekstu. Tip jezgrene komponente je jezgrena komponenta koja se sastoji od jedne i samo jedne sadržajne komponente koja nosi stvarni sadržaj plus jedne ili više dodatnih komponenti koje daju dodatnu definiciju sadržajnoj komponenti.

Kad se osnovne jezgrene komponente stave u poslovni kontekst one predstavljaju podlogu na kojoj se izgrađuju Poslovni informacijski entiteti. Poslovni informacijski entiteti su dijelovi poslovnih podataka ili grupa dijelova poslovnih podataka sa jedinstvenom poslovno-semantičkom definicijom. Osnovne jezgrene komponente služe kao kontrolirani vokabular za izgradnju poslovnih informacijskih entiteta. Postoje tri različite kategorije poslovnih informacijskih entiteta: Osnovni poslovni informacijski entitet (Basic Business Information Entity - BBIE), Asocijativni poslovni informacijski entitet (Association Business Information Entity - ASBIE) i Složeni poslovni informacijski entitet (Aggregate Business Information Entity - ABIE). Osnovni poslovni informacijski entitet reprezentira pojedinačnu poslovnu karakteristiku specifične objektne klase u specifičnom poslovnom kontekstu. Asocijacijski poslovni informacijski entitet predstavlja kompleksnu poslovnu karakteristiku specifične objektne klase u specifičnom poslovnom kontekstu. Složeni poslovni informacijski entitet je skup povezanih dijelova poslovnih informacija koji zajedno nose jedinstveno poslovno značenje u specifičnom poslovnom kontekstu. Veza između jezgrenih komponenti i poslovnih informacijskih entiteta prikazana je na slici 2.

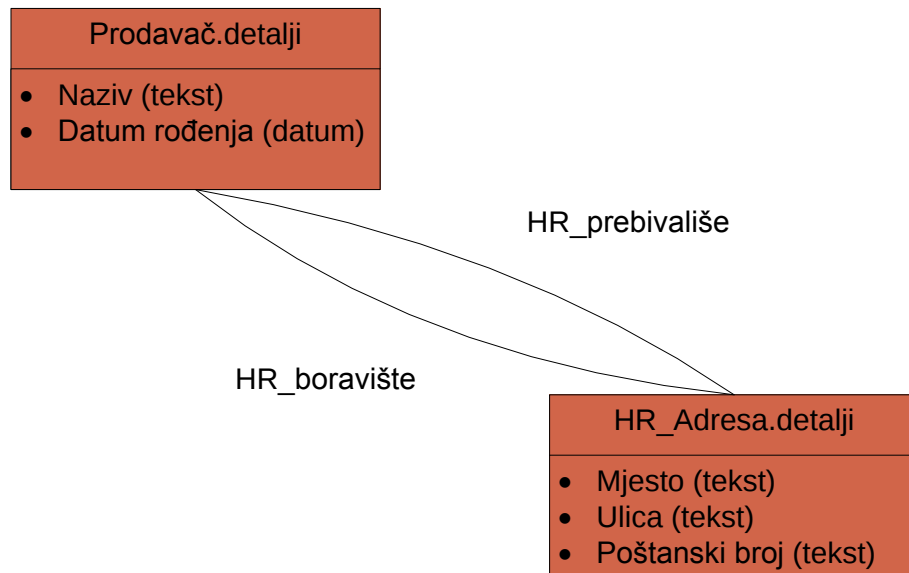
Osnovni poslovni informacijski entiteti i složeni poslovni informacijski entiteti i asocijativni poslovni informacijski entitet se kombiniraju i izgrađuju poslovne dokumente. Princip BBIE, ASBIE i ABIE je prikazan na slici 3.

Na slici 3. je prikazano sljedeće: Prodavač.detalji je tipa ABIE i sastoji se od dva BBIE (Naziv i Datum rođenja) i dva ASBIE (HR_Prebivalište i HR_Boravište). I HR_Prebivalište i HR_Boravište su istog tipa HR_Adresa.detalji koji je ABIE i koji se sastoji od od 3 BBIE (Mjesto, Ulica i Poštanski broj).



Core Component Library

Slika 2. Veza između jezgrenih komponenti i poslovnih informacijskih entiteta



Slika 3. Primjer korištenja BBIE, ASBIE i ABIE