

elnvoicing Workshop Rome, Italy

11th December 2019

Connecting Europe Facility



Today's speakers

Christian Vindinge Rasmussen

Christian is an experienced eProcurement Expert specialized in the execution of large scale ICT projects with past experience from the Nordic region. Christian has been involved in the past EU-funded large scale pilots PEPPOL.eu and eSENS.eu as Work packager leader with focus on new eProcurement and eDelivery development.

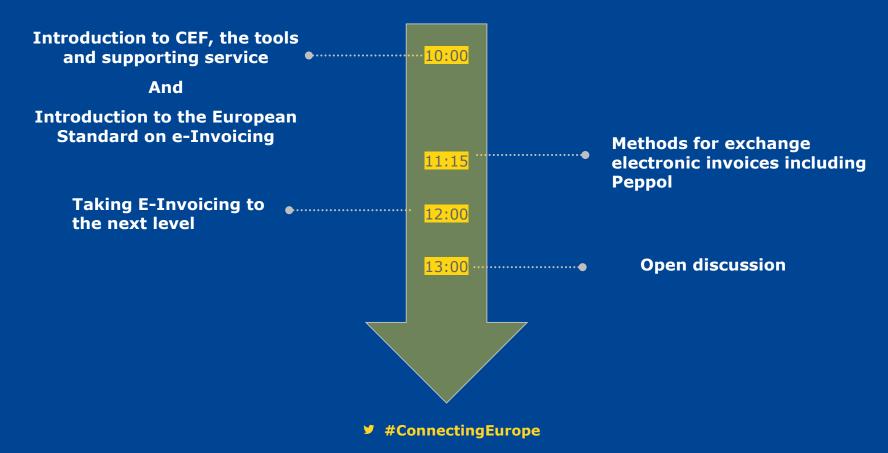
Christian works as a business development manager for e-Boks, Denmark.

Martin Forsberg

Martin Forsberg works as an subject matter expert in the area of electronic business, customs and financial processes. Martin was involved in the PEPPOL and eSENS Large Scale Pilots. He is active in standardization committees such as CEN TC434 and OASIS UBL.

Martin works as a consultant for ECRU, Sweden across EU.

Today's agenda



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What is an implementation workshop?

- Build knowledge on the European standard
- Share best practices
- Strong cross-border perspective
- Help with roadmap on mass adoption
- Give practical input to implementation projects
- Give ideas on how to proceed and prioritize
- Learn about CEF services



A short retrospect

A short retrospect

Workshops so far...

- Finland
- Cyprus
- Poland
- Estonia
- Greece
- Sweden
- Austria
- Denmark
- Exchange Summits

- Malta
- Ireland
- Lithuania
- Czech Republic
- Germany
- Romania
- Latvia
- Hungary
- EESPA



Common themes brought up by the participants

- What are other countries doing?
- What does it mean to comply with the European Standard?
- Intellectual Property Rights and Copyright
- Cross border exchange of eInvoices
- Policy what is necessary for smooth adoption









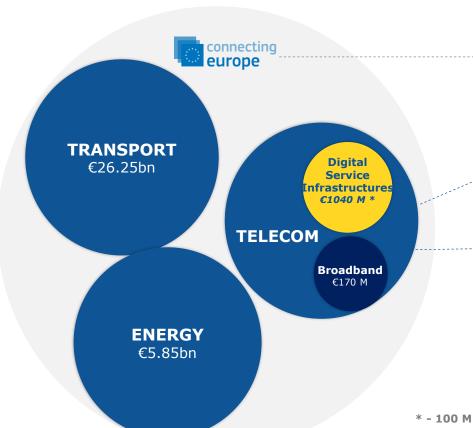


Introduction to CEF, our tools and supporting service

Christian Vindinge Rasmussen DIGIT

What are the CEF building blocks?

What is CEF?



HOW IS IT REGULATED?

CEF Regulation

The Connecting Europe Facility (CEF) is a regulation that defines how the Commission can finance support for the establishment of trans-European networks to reinforce an interconnected Europe.

CEF Telecom Guidelines

The CEF Telecom guidelines cover the specific objectives and priorities as well as eligibility criteria for funding of broadband networks and Digital Service Infrastructures (DSIs).

CEF Work Programmes

Translates the CEF Telecom Guidelines in general objectives and actions planned on a yearly basis.

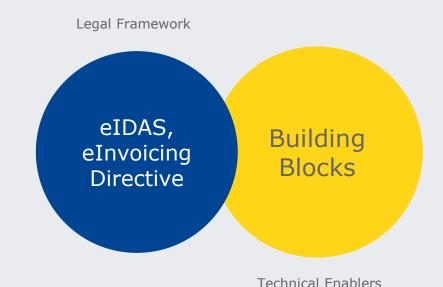
CEF Funding

From 2014-2020 1.040M Euro will be reinvested into adoption of the core building blocks in the DSIs.

Budget indications from 2020-2024 gives additional 1.6-9.2M Euro for further funding of implementation

* - 100 M Juncker Package

The Commission provides the legal framework and technical enablers to help build services people can trust, across sectors and across borders.



Digital Europe's building blocks are designed to help you build digital services people can trust







Context Broker



eArchiving



European Blockchain Service Infrastructure



eInvoicing



eID



eDelivery



eSignature



Once Only Principle

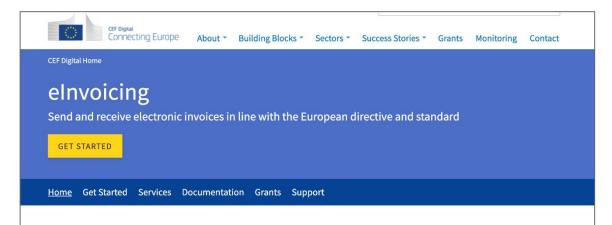


eTranslation





CEF Digital



Latest News and Success Stories



Last Chance to Register | eProcurement and eInvoicing EU policy at the #EURegionsWeek



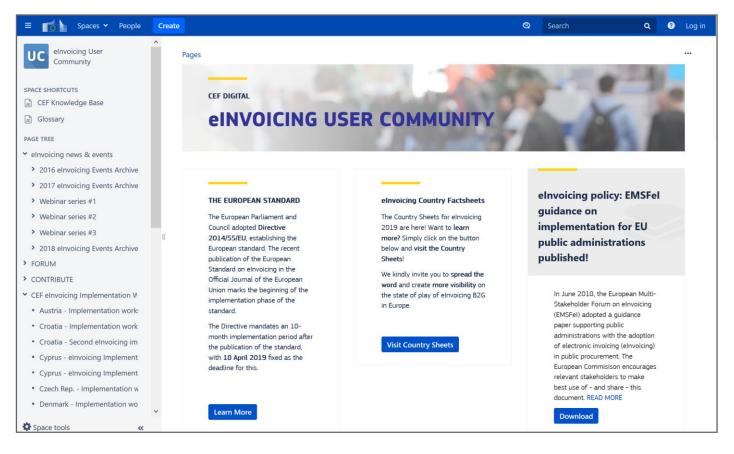
Exchange Summit 2019: What's next for elnvoicing and CEF Workshop



Deadline for elnvoicing Code List Change Requests for Autumn Release



CEF eInvoicing User Community



Stakeholder management services

Knowledge base

OBJECTIVE OF THE SERVICE

This service provides public entities and solution & service providers an easy reference repository for eInvoicing related information.

It includes information about access to the different code lists, codes used and their meaning, and a glossary of elements used in the European eInvoicing standard.

The Knowledge base provides information on EU and country specific levels.



USERS Public entities

Policy makers
Economic operators & suppliers
Solution & service providers

More info

CEF Digital >

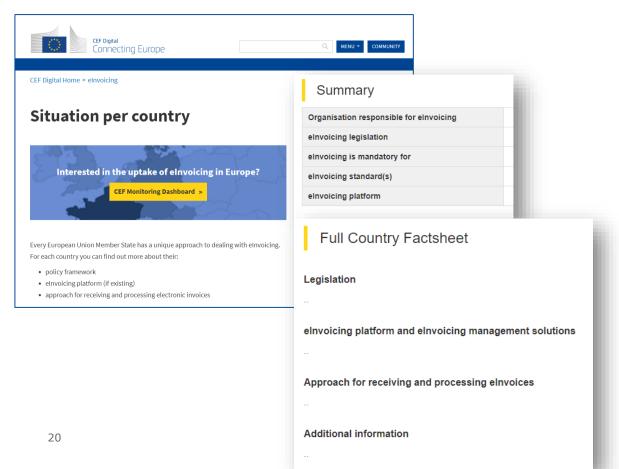
Get started

Contact us >

BENEFITS

- This service provides a useful and reliable information repository that helps users to find, consult and interpret information resources about eInvoicing in Europe.
- It provides useful information that public administrations can use to plan, initiate and execute eInvoicing implementation plans and strategies.

2018 Country Factsheets



Country factsheets		
EU Member States		
Austria	Italy	
Belgium	Latvia	
Bulgaria	Lithuania	
Croatia	Luxembourg	
Cyprus	Malta	
Czech Republic	The Netherlands	
Denmark	Poland	
Estonia	Portugal	
Finland	Romania	
France	Slovakia	
Germany	Slovenia	
Greece	Spain	
Hungary	Sweden	
Ireland	United Kingdom	
ADDITIONAL EEA (European Economic Area) COUNTRIES		
ADDITIONAL EEA (European Economic Area) COUNTRIES Iceland Norway		
Liechtenstein		



Read all the Connecting Europe success stories on CEF Digital



Ready to get started?

Reach out to us to learn more!

Or visit our website www.ec.europa.eu/cefdigital







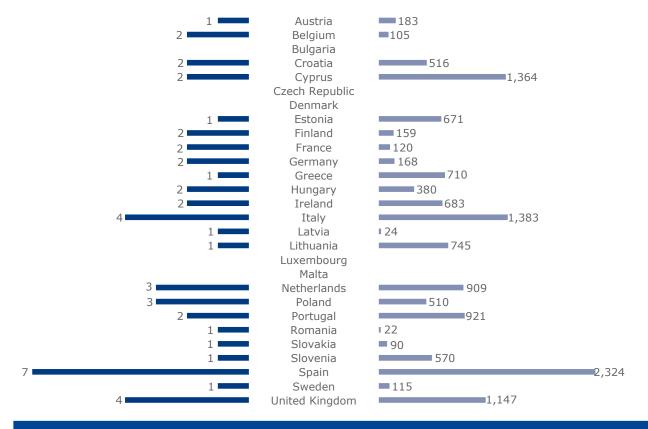
Funding opportunities

Call	Open Calls	Deadline for submissions	
CEF-TC-2019-1 Automated Translation (indicative budget: €4M)	14 February 2019	14 May 2019	
CEF-TC-2019-1 eID & eSignature (indicative budget: €5M)	14 February 2019	14 May 2019	
CEF-TC-2019-1 eDelivery (indicative budget: €1M)	14 February 2019	14 May 2019	
CEF-TC-2019-1 eInvoicing (indicative budget: €6.2M)	14 February 2019	14 May 2019	

Visit INEA Website



Member States Number of projects and CEF funding (€ thousand)



EEA and Third Countries Number of projects and CEF funding (€ thousand)

Norway

714



List of grant agreements for elnvoicing DSI building blocks

Project Code	Title	Beneficiary countries	Start Date	End Date	Proiect Status	CEF funding for the action (€)
2015-AT-IA-0049	EVA - e-Invoicing for Austria	AT	01/09/2016	31/12/2017	Ongoing	183,000
2015-CY-IA-0052	E-invoicing Cyprus	CY	01/10/2016	31/12/2017	Ongoing	561,430
2015-ES-IA-0055	SMART eINVOICING PLATFORM TO ENFORCE CROSS-BORDER DOCUMENTATION EXCHANGE (SEINPEX)	ES	01/08/2016	31/12/2017	Ongoing	222,781
2015-EU-IA-0050	eIGOR - eInvoicing GO Regional	IT,UK	01/01/2017	31/12/2017	Ongoing	1,252,500
2015-EU-IA-0054	Semantic conversion of business documents (SCOBDO)	DE,NL	01/09/2016	31/12/2017	Ongoing	283,199
2015-EU-IA-0058	GOVeIn European eInvoicing Project: implementation of the European electronic invoice within the Public Health area	ES,FR,HU,IE,IT,NL,PL,RO	01/10/2016	31/10/2017	Ongoing	770,249
2015-HR-IA-0048	Croatian eInvoicing Business-to-Administration Exchange Project	HR	02/06/2016	30/05/2017	Closed	251,328
2015-UK-IA-0056	eInvoice Expansion	UK	01/10/2016	31/12/2017	Ongoing	901,624
2016-CY-IA-0105	Cy e-Invoicing (Local Authorities)	CY	01/01/2018	31/12/2018	Ongoing	802,134
2016-EL-IA-0130	Interoperable eInvoicing in Greece (GRinv)	EL	01/10/2017	30/09/2018	Ongoing	710,065
2016-ES-IA-0117	FACe - The core platform of the Spanish public authorities to process the European standard on electronic invoice	ES	01/09/2017	30/11/2018	Ongoing	298,691
2016-ES-IA-0134	EUeInvoicing.cat - European standards adoption for eInvoicing in Catalonia	ES	01/09/2017	31/08/2018	Ongoing	622,833
2016-EU-IA-0086	Tools and support towards the adoption of the future EN on electronic invoicing in SMEs	BE,ES,IT	01/09/2017	31/08/2018	Ongoing	372,054
2016-EU-IA-0096	GOV2EU - Supporting public entities to adopt EU Standard on electronic invoice for cross-border transactions	BE,DE,ES,FR,HU,IT,PL,PT	01/09/2017	31/10/2018	Ongoing	1,248,208
2016-EU-IA-0109	SAPHeIN – Implementing SAPHetydoc for the wide adoption of eINvoicing	ES,PT	01/06/2017	31/08/2018	Ongoing	908,837
2016-EU-IA-0119	Facilitate and increase the use of the European Norm on e-invoice and the use of access point in the EU	FI,NO,SE	15/12/2016	01/06/2018	Ongoing	887,879
2016-EU-IA-0120	Internet of Business (IoB)	EE,FI,LV	01/06/2017	31/05/2018	Ongoing	795,248
2016-EU-IA-0126	Promote uptake of e-invoicing in Ireland	IE,UK	01/07/2017	30/06/2018	Ongoing	755,904
2016-HR-IA-0090	eINVOICING For Croatian Public Authorities (eICPA)	HR	19/09/2017	19/09/2018	Ongoing	264,201
2016-LT-IA-0104	eInvoicing cross-border LT	LT	01/09/2017	01/09/2018	Ongoing	744,553
2016-NL-IA-0088	NL eInvoicing	NL	16/12/2016	31/05/2018	Ongoing	705,068
2016-PL-IA-0106	European cross-border e-invoice in local public procurement in Poland	PL	01/10/2017	30/11/2018	Ongoing	420,442
2016-SI-IA-0103	Readiness of Slovenian E-invoicing	SI	01/06/2017	01/06/2018	Ongoing	570,248



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Introduction of the European Standard on e-Invoicing

Martin ForsbergDIGIT

What is an electronic invoice?



Electronic workflow Scanned paper

Exchange of structured invoice data

'electronic invoice' means an invoice that has been <u>issued</u>, <u>transmitted</u> and <u>received</u> in a <u>structured</u> electronic format which allows for its automatic and electronic processing

Article 2, DIRECTIVE 2014/55/EU on electronic invoicing in public procurement



Electronic workflow Scanned paper

Exchange of structured invoice data

Directive 2014/55/EU on electronic invoicing in public procurement



Optimisation of the swift payment processes



Simplification of cross-border procurement





Optimising the interoperability of IT solutions within the EU by transmitting structured data



Automation of eInvoicing processes (reduction of timing and risk of human error)



Enhancement of the traceability of public expenditures, monitoring and public procurement governance



Improvement of tax collection works



Requirements for the contracting authorities/entities

From article 7

Receipt and processing of electronic invoices

Member States shall ensure that contracting authorities and contracting entities **receive and process electronic invoices** which comply with the **European standard on electronic invoicing** whose reference has been published pursuant to Article 3(2) and with **any of the syntaxes on the list** published pursuant to Article 3(2).

a list with a limited number of syntaxes which comply with the European standard on electronic invoicing

Semantic data model of the core elements of an electronic invoice



Definitions

- (1) **'electronic invoice**' means an invoice that has been issued, transmitted and received in a structured electronic format which allows for its automatic and electronic processing;
- (2) 'core elements of an electronic invoice' means a set of essential information components which an electronic invoice must contain in order to enable crossborder interoperability, including the necessary information to ensure legal compliance;
- (3) 'semantic data model' means a structured and logically interrelated set of terms and their meanings that specify the core elements of an electronic invoice;
- (4) 'syntax' means the machine readable language or dialect used to represent the data elements contained in an electronic invoice:
- (5) 'syntax bindings' means guidelines on how a semantic data model for an electronic invoice could be represented in the various syntaxes;

Issued, transmitted and received in a structured electronic format Seller's IT-Buver's solution IT-solution



<!runice xmlns="urn nasis names specification ubl schema yer! Invoice.2" yr</p> <cbc:UBLVersionID>2.1</cbc:UBLVersionID>

cbc:CustomizationID>urn:www.cenbii.eu:transaction:biitrns010:ver2.0:exte <cbc:ProfileID>urn:www.cenbii.eu:profile:bii05:ver2.0</cbc:ProfileID</p> <chc:ID>998877</chc:ID>

Commercial Invoice

Taxi- o Transportrörelsen HB

Invoice issue date 2008-09-01

Payment due date 2008-10-01

Period start date 2008-08-15

Period end date 2008-08-31

Invoice number 1002420 Order reference

Buyer reference

PoPe

Amount due for payment

750 SEK

BUYER Skellefteå Sambruk AB Address Box 1

93100 Skellefteå

Legal registration ID: 9876543210 [0007] Buyer name: Skellefteå Sambruk AB

BUYER CONTACT B-E Ställman Buyer accounting reference: PoPe Contract reference: K1002420

Line ID S	Seller's ID	Name	Quantity	Net price	VAT rate	Charge Allowance	Net amou
1		Högtrafik	4.2 KMT (Unit of	23.14 SEK	S, 6%	Charge: 33 Startavg () %	130.1
		Note: Stamkund 198, Wieselgenspl - Centralstationen INVOICING PERIOD: 2008-08-18	measure: kilometre)				
2		Nattava	4.4 KMT	25.09.SEK	S 6%	Charge: 33	143

Key dates



eInvoicing: the Member States' state of play



25_{/28}

Member States have transposed the Directive at the central level



 $13_{\scriptscriptstyle /28}$

Member States have requested the extra-year (by April 2020) for the sub-central transposition



23

Member States have an eInvoicing solution in operation

Country factsheets



eInvoicing: the Member States' state of play (1/2) Transposition of the Directive status among Member States

- Directive transposed
- Directive partially transposed
- No information or transposition to be done after the deadline



Transposition of the Directive 2014/55/EU

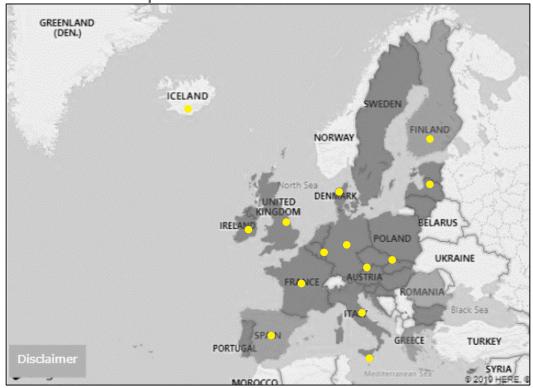


eInvoicing: the Member States' state of play (2/2)

Request for the extra year for compliance at the sub-central level

(18th April 2020)

Extra year requested by the Member State



<u>Member states having requested the extra-year for compliance at the sub-central level</u>



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Initiation of the standardisation

From article 3

The Commission shall request that the relevant **European standardisation organisation** draft a European standard for the semantic data model of the core elements of an electronic invoice (the 'European standard on electronic invoicing').

...

The Commission shall request that the relevant European standardisation organisation provide a list with a limited number of syntaxes which comply with the European standard on electronic invoicing, the appropriate syntax bindings and guidelines on transmission interoperability, in order to facilitate the use of such standard.

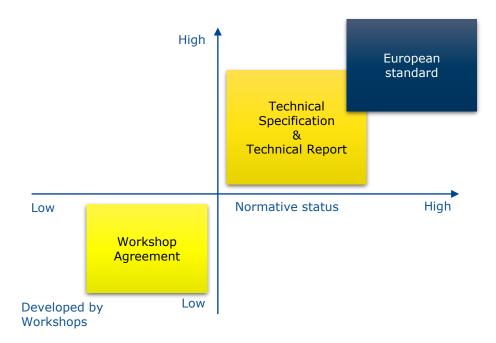


CEN/TC 434 was established

- CEN European Committee for Standardisation
- The work started in a project committee (PC434) but was later changed into a technical committee (TC434)
- TC434 has over 100 committee members from 31 countries
- Participation in the work must go through the national standardisation committees.
- The committee is about to finalize all deliverables defined in the standardisation request



Preparation time and level of consensus





Current status

Number	Title	Status
EN 16931-1	Semantic data model of the core elements of an electronic invoice	Approved!
CEN/TS 16931-2	List of syntaxes that comply with EN 16931-1	Approved!
CEN/TS 16931-3-1	Methodology for syntax bindings of the core elements of an electronic invoice	Approved!
CEN/TS 16931-3-2	Syntax binding for ISO/IEC 19845 (UBL2.1) invoice and credit note	Approved!
CEN/TS 16931-3-3	Syntax binding for UN/CEFACT XML Cross Industry Invoice D16B	Approved!
CEN/TS 16931-3-4	Syntax binding for UN/EDIFACT D16B	Approved!
CEN/TR 16931-4	Guidelines on interoperability of electronic invoices at the transmission level	Approved!
CEN/TR 16931-5	Guidelines on the use of sector or country extensions in conjunction with EN 16931-1, methodology to be applied in the real environment	Approved!
CEN/TR 16931-6	Result of the test of EN 16931-1 with respect to its practical application for an end user	Approved!



Introduction to key concepts of the standard

EUROPEAN STANDARD EN 16931-1

NORME EUROPÉENNE

EUROPÄISCHE NORM June 2017

ICS 35.240.20: 35.240.63

English Version

Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice

Facturation électronique - Partie 1: Modèle sémantique de données des éléments essentiels d'une facture électronique Elektronische Rechnungsstellung - Teil 1: Semantisches Datenmodell der Kernelemente einer elektronischen Rechnung

This European Standard was approved by CEN on 17 April 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CBN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Filiand, Former Yugoslav Republic of Macedonia, Farance, Germany, Greece, Hungary, Lebanda, Ireland, Halz, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkev and United Kinedom.

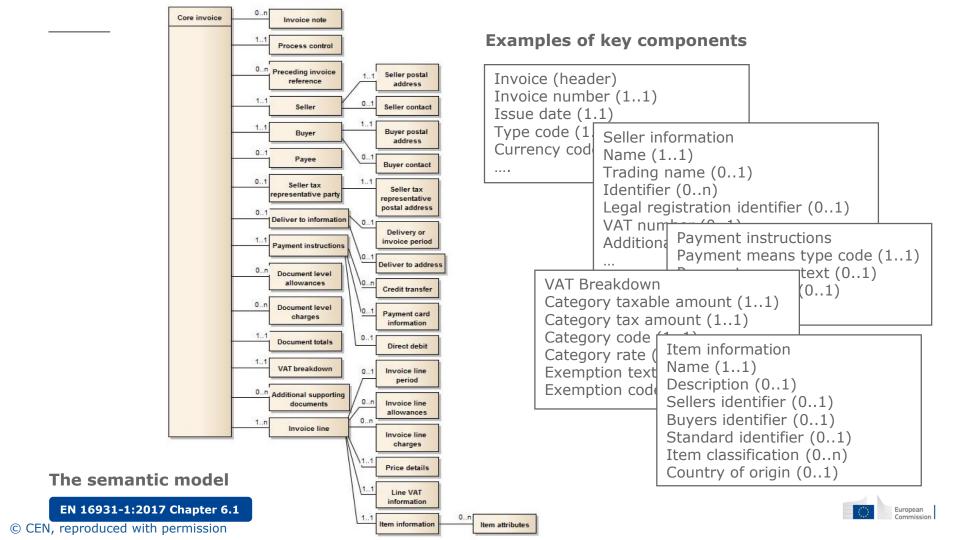


EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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Ref. No. EN 16931-1:2017 E



Examples of business terms

ID	Level	Cardinality	Business Term	Description	Usage Note	Req. ID	Semantic data type ²
BT-1	+	11	Invoice number	A unique identification of the Invoice.	The sequential number required in Article 226(2) of the directive 2006/112/EC [2], to uniquely identify the Invoice within the business context, time-frame, operating systems and records of the Seller. It may be based on one or more series of numbers, which may include alphanumeric characters. No identification scheme is to be used.	R56	Identifier
BT-2	+	11	Invoice issue date	The date when the Invoice was issued.		R56	Date
BT-3	+	11	Invoice type code	A code specifying the functional type of the Invoice.	Commercial invoices and credit notes are defined according the entries in UNTDID 1001 [6]. Other entries of UNTDID 1001 [6] with specific invoices or credit notes may be used if applicable.	R44	Code

ID – Unique id for each business term

Level – indicates depth in model (+, ++, +++, ++++)

Cardinality – Indicates optionality, repetitions allowed

Business term – name of the business term

Description – short description/definition

Usage note – guiding/explanatory information

Req id – reference to underlying requirement

Data type – the type of data used



Business rules

- Conditions dependencies between terms
- Integrity constraints (In many cases, the data model cardinality indicates the same thing)

(D)	Description	Target / context	Busine ss term / group
BR-CO-8	Invoice line charge reason code and Invoice line charge reason shall indicate the same type of charge reason.	Invoice line Charges	BT- 144, BT-145
BR-CO-9	The Seller VAT identifier, Seller tax representative VAT identifier, Buyer VAT identifier shall have a prefix in accordance with ISO code ISO 3166-1 alpha-2 by which the country of issue may be identified. Nevertheless, Greece may use the prefix 'EL'.	VAT identifiers	BT-31, BT-48, BT-63
BR-CO-10	Sum of Invoice line net amount = \sum Invoice line net amount.	Document totals	BT-106

ID – Unique id for each business rule

Description – textual description of the rule

Target/Context – the cgroup/class for where the rule applies

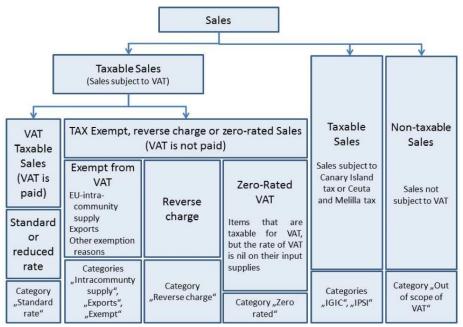
Business term/group – reference to the term for which the rule applies



Business rules - VAT Rules

• VAT Rules – Rules for each VAT category

ID	Description	or reduced	Other exemption reasons			
	An Invoice that contains a line, a document level allowance	rate	Categories "Intracommunty			
BR-Z-1	where the Invoiced item VAT category code (BT-151, BT-1 shall contain in the VAT breakdown (BG-23) exactly one equal with "Zero rated".	Category "Standard rate"	supply", "Exports", "Exempt"	"F		
BR-Z-2	An Invoice that contains a line where the Invoiced item VAT category code (BT-151) "Zero rated" shall contain the Sellers VAT Identifier (BT-31), the Seller Tax registratic identifier (BT-32) or the Seller tax representative VAT identifier (BT-63).					
BR-Z-3 An Invoice that contains a document level allowance where the Invoiced item category code (BT-95) is "Zero rated" shall contain the Sellers VAT Identifier (BT-32) Seller Tax registration identifier (BT-32) or the Seller tax representative VAT identifier (BT-63).						





Many syntaxes – a problem?

- There are a large number of syntaxes in use
- Many communities are already using e-invoicing since a long time
- Use of many syntaxes result in interoperability problems

(9)

In order to further simplify the use of electronic invoicing and to reduce costs, one of the long-term objectives should be to **limit the number of syntaxes used**, preferably by concentrating on those most commonly used.

Article 3

Establishment of a European standard

. . .

The Commission shall request that the relevant European standardisation organisation **provide a list** with a limited number of syntaxes which comply with the European standard on electronic invoicing, the appropriate syntax bindings and guidelines on transmission interoperability, in order to facilitate the use of such standard.

Article 7

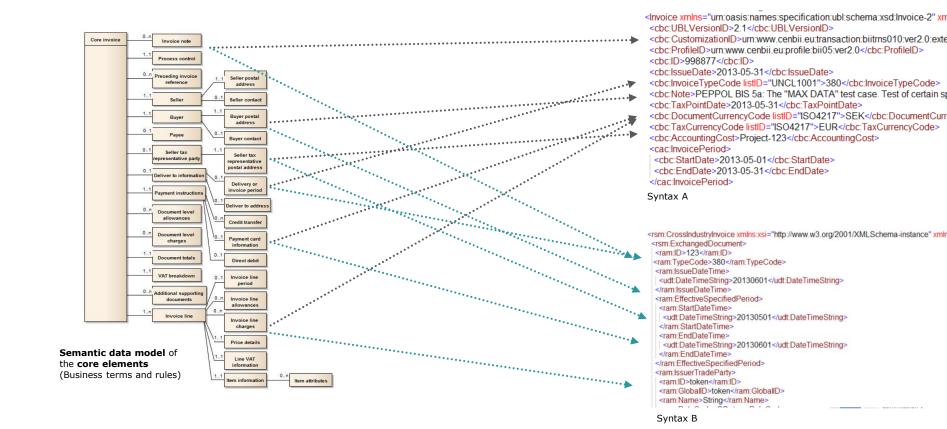
Receipt and processing of electronic invoices

Member States shall ensure that contracting authorities and contracting entities receive and process electronic invoices which comply with the European standard on electronic invoicing whose reference has been published pursuant to Article 3(2) and with **any of the syntaxes on the list** published pursuant to Article 3(2).



Syntaxes

Mapping from the business terms to the syntaxes/formats



The standardization request from EC defined a number of criteria

Req ID Requirement of sub-requirement

1	Comply with the core invoice semantic data model specified in the EN
2	Be international, open and free to use
3	Have a governance and sustainability model
3.1	There is an established organisation maintaining the syntax (format)
3.2	There is a maintenance process that is:
	- documented with defined participation and voting rules;
	- governed;
	- open to participation for stakeholders.
3.3	There is a funding model allowing further development and maintenance.
3.4	Support can be provided (consulting, educating, training) to solution providers (implementers) or users (companies, PAs etc.).
4	Be part of a coherent set of standards and technical specifications to support the broader e-procurement process or the broader e-invoicing supply chain
5	Be widely used in the EU or worldwide
6	Be used in production environments (and not just test) by both the public and the private sector
7	Reflect well-accepted technology and aim to incorporate the latest technological developments considered to be state of the art
8	Have guidelines, code lists, validating tools freely available to ease implementation by ICT vendors and suppliers
9	Have a set of official, freely available syntax-dependent artefacts for validation (the XML Schema or Schematron) to support tool independent validation
10	Have an official updating and versioning strategy that takes due account of backward compatibility, as well as appropriate guidelines for customisation that explain how to extend and restrict the syntax



Specifications from CEN/TC434

Reference	WG	Title
EN 16931-1	WG1	Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice
TS 16931-2	WG2	Electronic invoicing - Part 2: List of syntaxes that comply with EN 16931-1
TS 16931-3-1	WG3	Electronic invoicing - Part 3-1: Methodology for syntax bindings of the core elements of an electronic invoice
TS 16931-3-2	WG3	Electronic invoicing - Part 3-2: Syntax binding for ISO/IEC 19845 (UBL 2.1) invoice and credit note
TS 16931-3-3	WG3	Electronic invoicing - Part 3-3: Syntax binding for UN/CEFACT XML Cross Industry Invoice D16B
TS 16931-3-4	WG3	Electronic invoicing - Part 3-4: Syntax binding for UN/EDIFACT INVOIC D16B
TS 16931-3-5	WG3	Electronic invoicing Part 3-5: Syntax binding for the Financial Invoice based on ISO 20022
TR 16931-4	WG4	Electronic invoicing - Part 4: Guidelines on interoperability of electronic invoices at the transmission guideline
TR 16931-5	WG5	Electronic invoicing - Part 5: Guidelines on the use of sector or country extensions in conjunction with EN 16931-1, methodology to be applied in the real environment
TR 16931-6	WG6	Electronic invoicing - Part 6: result of the test of EN 16931-1 with respect to its practical application for an end user



Specifications from CEN/TC434

Reference WG Title EN 16931-1 WG1 Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice TS 16931-2 WG2 Electronic invoicing - Part 2: List of syntaxes that comply with EN 16931-1 TS 16931-3-1 WG3 Electronic invoicing - Part 3-1: Methodology for syntax bindings of the core elements of an electronic invoice TS 16931-3-2 WG3 Electronic invoicing - Part 3-2: Syntax binding for ISO/IEC 19845 (UBL 2.1) invoice and credit note TS 16931-3-3 WG3 Electronic invoicing - Part 3-3: Syntax binding for UN/CEFACT XML Cross Industry Invoice D16B TS 16931-3-4 WG3 Electronic invoicing - Part 3-4: Syntax binding for UN/EDIFACT INVOIC D16B TS 16931-3-5 WG3 Electronic invoicing Part 3-5: Syntax binding for the Financial Invoice based on ISO 20022 TR 16931-4 WG4 Electronic invoicing - Part 4: Guidelines on interoperability of electronic invoices at the transmission guideline WG5 Electronic invoicing - Part 5: Guidelines on the use of sector or country extensions in TR 16931-5 conjunction with EN 16931-1, methodology to be applied in the real environment

WG6 Electronic invoicing - Part 6: result of the test of EN 16931-1 with respect to its

practical application for an end user

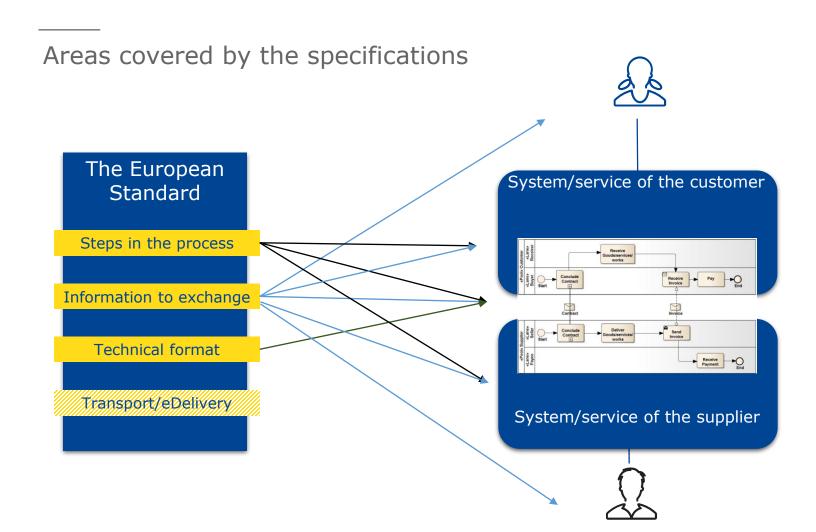


TR 16931-6

Specifications from CEN/TC434

Reference	WG	Title
EN 16931-1	WG1	Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice
TS 16931-2	WG2	Electronic invoicing - Part 2: List of syntaxes that comply with EN 16931-1
TS 16931-3-1	WG3	Electronic invoicing - Part 3-1: Methodology for syntax bindings of the core elements of an electronic invoice
TS 16931-3-2	WG3	Electronic invoicing - Part 3-2: Syntax binding for ISO/IEC 19845 (UBL 2.1) invoice and credit note
TS 16931-3-3	WG3	Electronic invoicing - Part 3-3: Syntax binding for UN/CEFACT XML Cross Industry Invoice D16B
TS 16931-3-4	WG3	Electronic invoicing - Part 3-4: Syntax binding for UN/EDIFACT INVOIC D16B
TS 16931 3 5	WG3	Electronic invoicing Part 3-5: Syntax binding for the Financial Invoice based on ISO 20022
TR 16931-4	WG4	Electronic invoicing - Part 4: Guidelines on interoperability of electronic invoices at the transmission guideline
TR 16931-5	WG5	Electronic invoicing - Part 5: Guidelines on the use of sector or country extensions in conjunction with EN 16931-1, methodology to be applied in the real environment
TR 16931-6	WG6	Electronic invoicing - Part 6: result of the test of EN 16931-1 with respect to its practical application for an end user



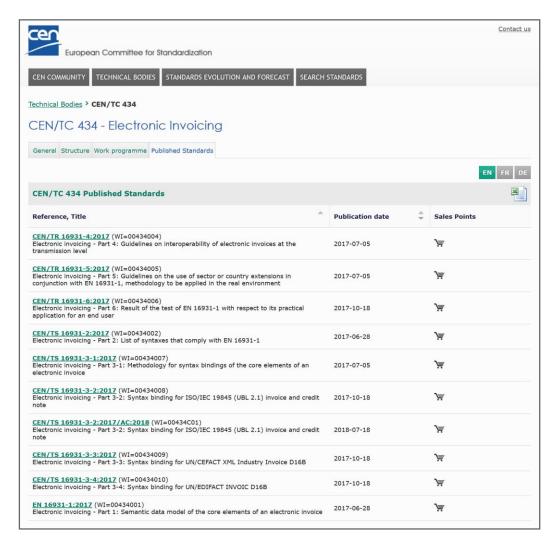




Access to the specifications

EC is sponsoring access – to the EN and the list of syntaxes. These specifications are available for free download

The other specifications must still be purchased







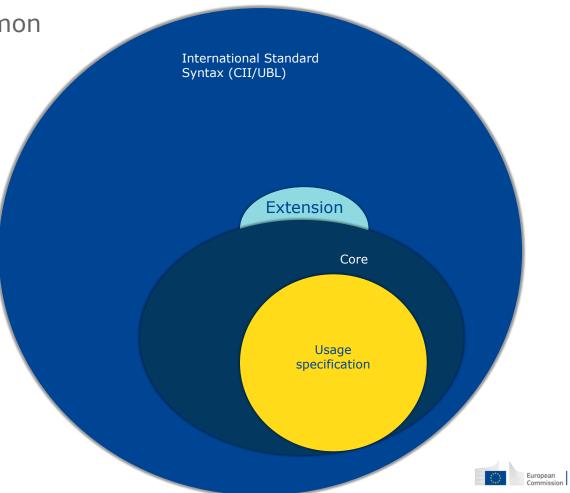
Usage specifications and compliance

Martin ForsbergDIGIT

Core – something in common

IMPORTANT

An invoice which follows a CIUS MUST ALWAYS also be compliant towards the (non-restricted) norm.



Requirements for the contracting authorities/entities

From article 7

Receipt and processing of electronic invoices

Member States shall ensure that contracting authorities and contracting entities **receive and process electronic invoices which comply with the European standard on electronic invoicing** whose reference has been published pursuant to Article 3(2) and with any of the syntaxes on the list published pursuant to Article 3(2).



Claiming compliance towards the norm

Compliance of sending or receiving party

A receiving party may only claim compliance to the core invoice model if he accepts invoices that comply with the core invoice model in general, **or with a CIUS**, that is itself compliant with the core invoice model.



What is allowed to restrict in a Core Invoice Usage Specification

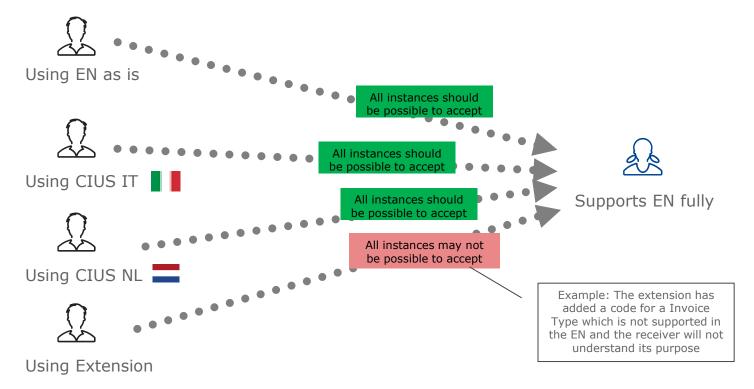
- "Forbid" optional elements 0..n/0..1 → 0..0
- Make definition narrower
- Add synonyms or explanatory text
- Make optional element mandatory
- Limit allowed number of repetitions
- Change data type to narrower representation (alphanumeric
 → numeric)
- Limited allowed code values
- Add additional business rules or make existing more restrictive
- Restrict field lengths
- Require certain formatting on values
- Restrict number of decimals/fractions

IMPORTANT

An invoice which follows a CIUS MUST ALWAYS also be compliant towards the (non-restricted) norm.

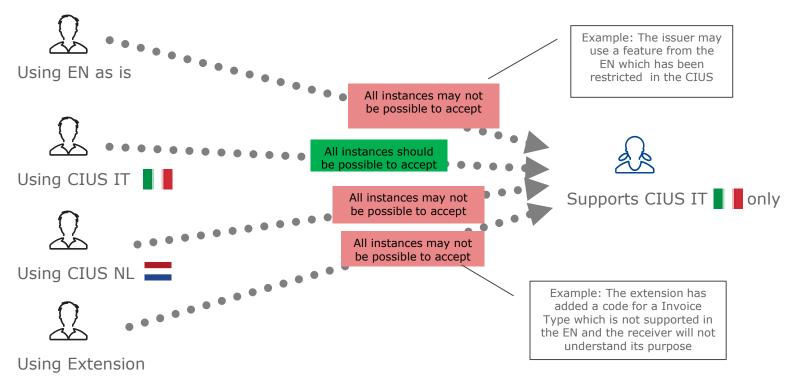


A few scenarios





A few more scenarios



Assuming the invoices are

conformant against its specification (EN/CIUS/Extension)



Ø

elnvoicing User Community

SPACE SHORTCUTS

CEF Knowledge Base

PAGE TREE

- > elnvoicing news & events
- > Forum
- Contribute
- > CEF elnvoicing Implementation Work
- · Guidance Paper for EU public admini:
- > elnvoicing Pioneer Group
- . Community-driven Registry of CIU
- . Catalogue of Good Practices to supp
- > Older posts (CONTRIBUTE)
- > Follow-up actions after the CEF elnvc
- > Archive
- Meta
- Links

Pages > elnvoicing User Community > Contribute

Community-driven Registry of CIUS (Core Invoice Usage Specifications) and Extensions

Created by Ines COSTA, last modified by Philip HELGER on Oct 29, 2018

Topic	Registry of CIUS (Core Invoice Usage Specifications) and Extensions						
Excerpt	This page aims to give the elnvoicing community the opportunity to share the ongoing and planned initiatives across Member States and sectors to create CIUS and Extensions on the European standard on elnvoicing.						
Status	OPEN .						
Deadline	Ongoing						

Provide information on CIUS and Extensions

The table below aims to give the elnvoicing community the opportunity to share the ongoing and planned initiatives across Member States and sectors to create CIUS and Extensions on the European standard on elnvoicing. The content is community-driven and the contributors take the sole responsibility of the information shared. Please note that the information available does not have an authoritative character.

We invite you to contribute to build on the information available about the CIUS and Extensions on the European standard on elnvoicing by filling the table below:

Name	Туре	Country	Sector	Purpose of the CIUS or Extension	Publisher	Governor	Underlying specification	Further info	Status	Contact
OpenPEPPO BIS 3.0 5A	L CIUS	Any	Any	Restricts the business process scope of the EN with reference to BIS2 business processes.	OpenPEPPOL	OpenPEPPOL	EN16931	http://docs.peppol.eu/poacc/billing/3.0/	ACTIVE	@ Olav Astad KRISTIANSEN
Icelandic national CIU	CIUS	IS	Any	Applies national regulations and imposes data format to payment instructions when using national payment clearing services.	IST	ISgov	PEPPOL BIS 3.0 5A	http://www.stadlar.is/stadlastarf /fagstadlarad-i-upplysingataekni.aspx	DEVELOPMENT	@ Georg BIRGISSON
Austrian national CIU	CIUS	AT	Any	Apply national regulations	BRZ	BRZ	EN16931	Publication on eRechnung.gv.at asap	ACTIVE	@ Philip HELGER
Austrian government CIUS	CIUS	AT	Any	Additional regulations only applying to the mandatory government interface. This CIUS builds on top of the Austrian national CIUS!	BRZ	BRZ	AT national CIUS	Publication on eRechnung.gv.at asap	ACTIVE	@ Philip HELGER
Energy elnvoice	Extension	NL	Energy	Enables the addition of information concerning: 1) Measured energy use, including meter info, meter readings, fuel type etc. 2) VAT specification for more than one party, which is a consequence of the so called supplier-centered model.	Energy elnvoice steering committee	Energy elnvoice steering committee	Simplerinvoicing (SI-UBL)	https://energie-efactuur.nl/en/	DEVELOPMENT	Wouter van den Berg (TNO)
Italian national CIU	CIUS	IT	Any	Applies national regulations and restricts data format in compliance with elnvoice national format (FatturaPA)	AgID, AdE	AgID, AdE	EN16931	http://www.agid.gov.it/agenda-digitale /pubblica-amministrazione/cef- telecom-einvoicing-eigor	DEVELOPMENT	Fabio MASSIMI
NLCIUS	CIUS	NL	Any	Applies national regulations and conventions. The purpose of	NEN / SMeF	NEN / SMeF	EN16931	NLCIUS is a joint initiative of	ACTIVE	Michiel Stornebrink (TNO)

Layers of validation rules in PEPPOL XML Well-formedness Basic XML XML Schema XML Invoice Standard (UBL/CII) **CEN TC/434** PEPPOL CIUS EN + Syntax specific rules PEPPOL General Rules Country Country Country Country CIUS-Country qualified rules Specific Specific Specific Specific

Compliant!

Compliant!



National rules in PEPPOL CIUS

To avoid creation of national CIUS'es:

- affected based on the country of the seller.
- Don't affect invoices issued in other countries.
- PEPPOL Authority responsible

Appendix C: National rules

The following rules have been defined by PEPPOL Authorities in addition to the rules for <u>PEPPOL</u> BIS in general. These rules are affected based on the country of the seller, and will not affect invoices issued in other countries. They apply in all profiles that use this transaction specification.

National rules are provided by each country's PEPPOL Authority, and if you need any changes or additions to these rules, please contact your PEPPOL Authority.

Table 18. National transaction business rules

Rule	Message/Context/Test
DK-R-001 (warning)	For Danish suppliers when the Accounting code is known, it should be referred on the Invoice.
	ubl-creditnote:CreditNote ubl-invoice:Invoice
	$not (cac: Accounting Supplier Party/cac: Party/cac: Postal Address/cac: Country/cbc: Identification Code = 'DK' \ and (normalize-space(cbc: Accounting Cost/text()) = '')) \\$
DK-R-002 (fatal)	Danish suppliers MUST provide legal entity (CVR-number).
	ubl-creditnote:CreditNote ubl-invoice:Invoice
	$not (cac: Accounting Supplier Party/cac: Party/cac: Postal Address/cac: Country/cbc: Identification Code = 'DK' \ and (normalize-space(./cac: Accounting Supplier Party/cac: Party/cac: PartyLegal Entity/cbc: Company ID/text()) = ''))$



Example - Swedish rules

- Formats for VAT and organisation numbers
- Swedish VAT rates
- Tax registration F-Skatt
- Payment means Bankgiro and Plusgiro

SE-R-001 For Swedish suppliers, Swedish VAT-numbers must consist of 14 characters.	fatal
SE-R-002 For Swedish suppliers, the Swedish VAT-numbers must have the trailing 12 characters in numeric form	fatal
SE-R-003 Swedish organisation numbers should be numeric.	fatal
SE-R-004 Swedish organisation numbers consist of 10 characters.	fatal
SE-R-005 For Swedish suppliers, when using Seller tax registration identifier, 'Godkänd för F-skatt' must be stated	fatal
SE-R-006 For Swedish suppliers, only standard VAT rate of 6, 12 or 25 are used	fatal
SE-R-007 For Swedish suppliers using Plusgiro, the Account ID must be numeric	warning
SE-R-008 For Swedish suppliers using Bankgiro, the Account ID must be numeric	warning
SE-R-009 For Swedish suppliers using Bankgiro, the Account ID must have 7-8 characters	warning
SE-R-010 For Swedish suppliers using Plusgiro, the Account ID must have 2-8 characteres	warning
SE-R-011 For Swedish suppliers using Swedish Bankgiro or Plusgiro, the proper way to indicate this is to use Code 30 for PaymentMeans and FinancialInstitutionBranch ID with code SE:BANKGIRO or SE:PLUSGIRO	warning



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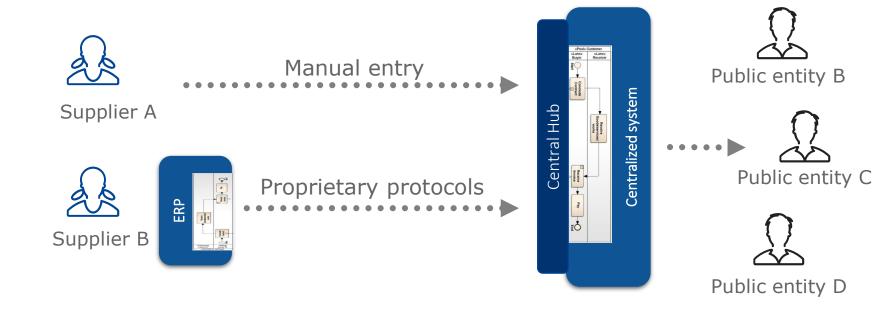




Methods for exchange of electronic invoices

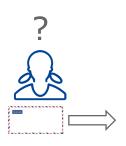
Martin Forsberg Christian Vindinge Rasmussen DIGIT

Typical solution – centralized system



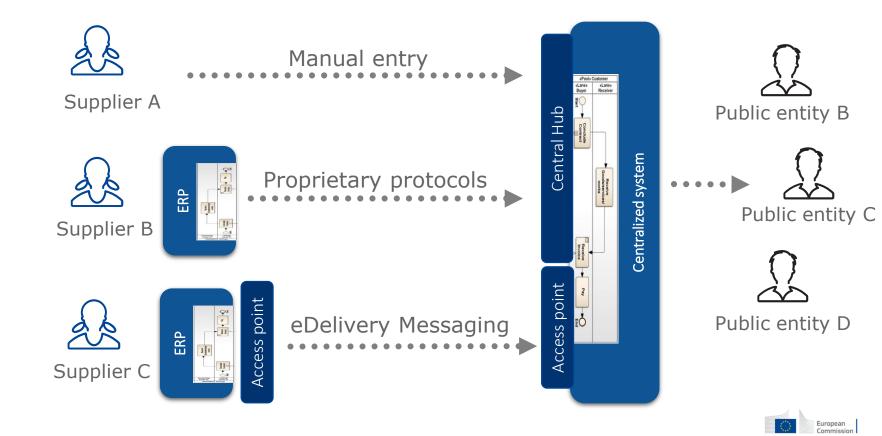


A simple solution for the buyer can prove problematic for the suppliers

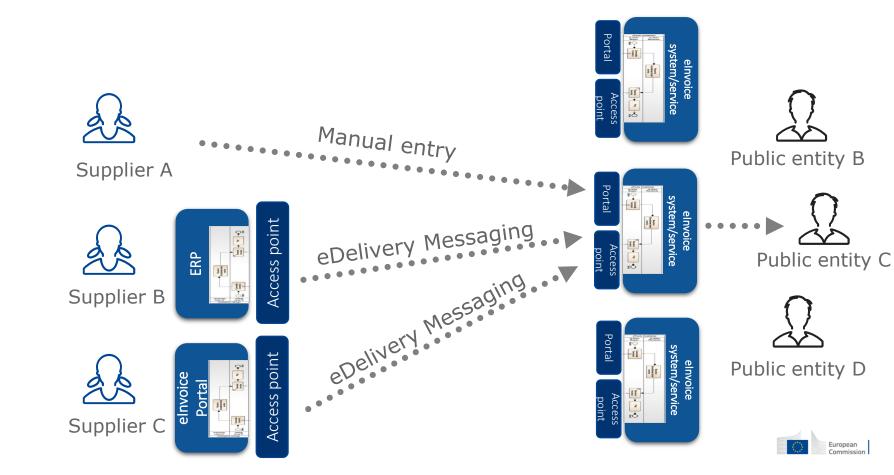




Typical solution – centralized system + Access point



Typical solution – Up to each public entity









A short introduction

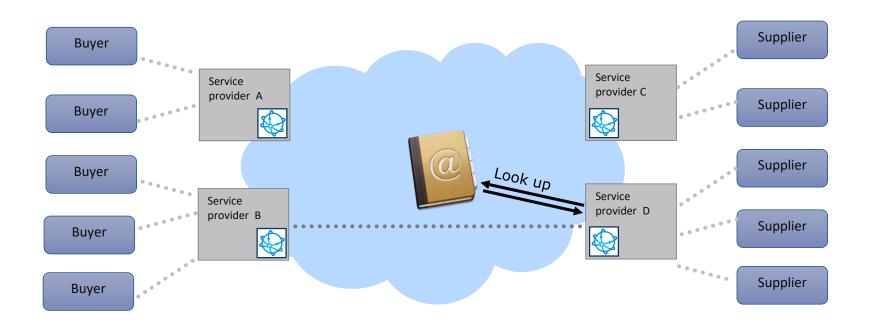
What is PEPPOL

Infrastructure where
Buyers and Sellers can
exchange
e-documents

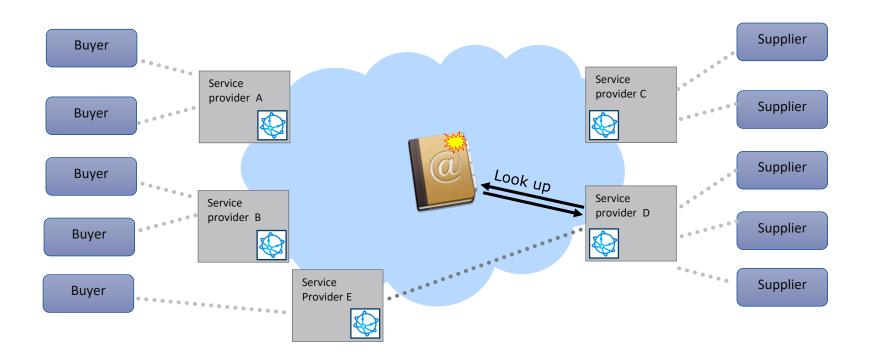
Specifications for electronic invoice, order, catalogue...

Non-for-profit organisation which maintains and governs





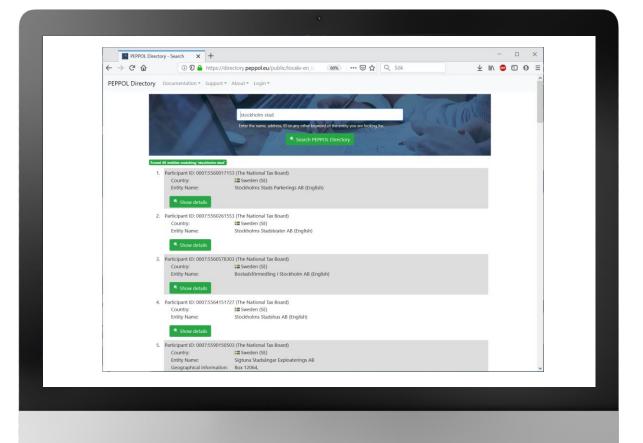




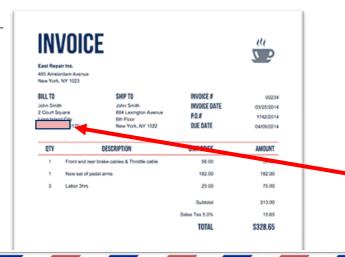


Peppol Directory

- Search for receivers
- See their capabilities
- > 150.000 organizations
- http://Directory.peppol.eu





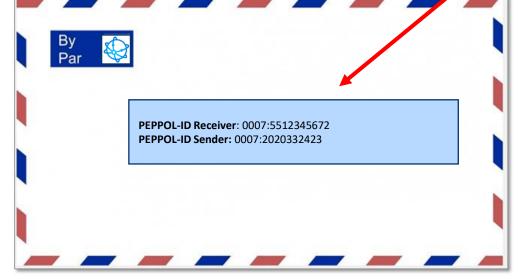


Electronic address identifier (EndpointID)

- "PEPPOL-ID" (GLN, DUNS etc)

organisation number

- Same thing as "Participant Identifier"



0007:5512345678

Type code for Swedish

The actual number Swedish





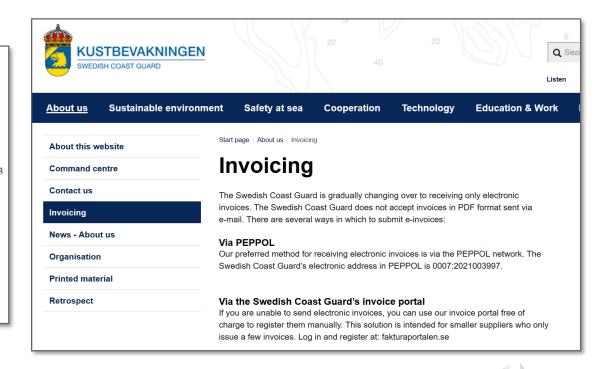
GÖTEBORGS UNIVERSITET

Gothenburg 2016-09-23

Billing the University of Gothenburg

E-invoice

The University of Gothenburg prefers e-invoicing. Our suppliers can send e-invoices via PEPPOL, which enables European businesses to easily deal electronically with any European public sector buyer in their procurement process. Our PEPPOL-id is 0007:2021003153.



European

12 Ho 5650.



Current use of PEPPOL

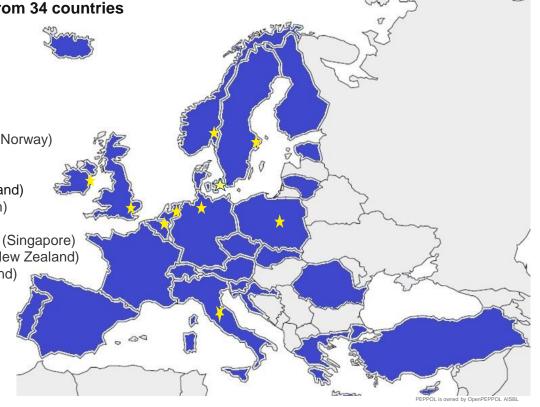
375 OpenPEPPOL members and observers from 34 countries

251 Certified Access Points in 29 countries in Europe, North America and Asia

13 PEPPOL Authorities

- Agency for Digital Government (Sweden)
- Agency for Digital Italy (Italy)
- Agency for Public Management and eGovernment (Norway)
- Danish Business Authority (Denmark)
- Department of Health and Social Care (UK)
- Department of Public Expenditure and Reform (Ireland)
- Federal Public Service Policy and Support (Belgium)
- ▶ Free Hanseatic City of Bremen KoSIT (Germany)
- Info-communications Media Development Authority (Singapore)
- Ministry of Business Innovation and Employment (New Zealand)
- Ministry of Entrepreneurship and Technology (Poland)
- SimplerInvoicing (Netherlands)
- OpenPEPPOL AISBL

Member Countries where Access Points are not yet certified: Australia, Mexico, New Zealand, Romania and Slovak Republic



2C Solution SRL	Italy	Consumer Cloud Technology	_	Genesis IT AB	Sweden	Onetrail BV	Netherlands	Telema AS	Fstonia
216 Accountants B.V	Netherlands	Services Pte Limited	Singapore	Generix Group Benelux	Belgium	Oppgjorskontoret AS	Norway	reiema AS	LStoriia
AdValvas Europe		Compello AS	Norway	GHX UK	UK	Opus Capita Group Oy	Finland	Telenor Norge AS	Norway
The second secon	Belgium	Credemtel S.p.A.	Italy	Goldman Solutions & Services	Cyprus	Outsourcia AS Bakke	Norway	0	,
Advanced Business Software and Solutions	UK	, ,	Sweden	Ltd.		Pagero	Sweden	Tesisquare S.p.A	Italy
	Indianal .	Consip SpA (Italy)	Italy	GXS (OpenText)	USA	Pagero HBS GmbH	Germany	TIE Kinetix	Netherlands
Advania Holding hf.	Iceland	crossinx GmbH	dermany	Hafslund Tellier AS	Norway	Pagero Norway	Norway	Tieto	Finland
Aksess Innkjøp (Prosjektservice	Norway		Italy	Hogia Business Products AB	Sweden	Palette Software AB	Sweden	Tradeinterop	Netherlands
AS)	N.		Norway	Ibistic IBM Corporation	Norway USA	Payt B.V.	Netherlands	1	
Aksesspunkt Norge AS	Norway		Singapore UK	IBM Danmark ApS	Denmark	PaperLess Innovation Ltd.	Malta	Tradeshift	Denmark
Aliquid Italy	Italy	0	Denmark	iEDI ApS	Denmark	Pearl Norge AS	Norway	Tradeshift AB	Sweden
Amesto Solutions Purchasing A/S	Norway	Dcode Websolutions AS	Norway	IFIN Sisstemi S.r.L. a socio unico	Italy	PIMEC, Petita i Mitjana Empresa	Spain	Transalis Ltd.	UK
Azets Insight AS	Norway		Austria	ILGE Sybscription Management		de Catalunya	Spain	Tripletex AS	Norway
Order2Cash – (Anachron B.V.)	Netherlands		Belgium	BVBA	Belgium	PinkRoccade Local Government	Netherlands	1	,
Apix Messaging Oy	Finland		Denmark	Implema AB	Sweden	BK.V.		True Commerce (Coventry) Ltd.	UK
Apro Consulting Services B.V.	Netherlands	Danish Business Authority (ERST)	Denmark	In.Te. S.A.	Italy	PostNord (Strålfors Svenska AB)	Sweden	TrueCommerce ApS Denmark	Denmark
Archiva S.r.L.	Italy	DocFlow Italia S.p.A.	Italia	Inaras NV	Belgium	PowerOffice Software AS	Norway	Truelink A/S	Denmark
Archivium SrL	Italy			InExchange Factorum AB	Sweden	PracBiz Pte Ltd	Singapore	Tungsten Network Ltd.	UK
Arco Information N.V.	Belgium	Docuten (Enxendra Technologies)	•	Infinite Sp. z.o.o.	Poland	Prosjektservice AS	Norway	Tyringe Konsult AB	Sweden
At Work Systems	Norway	Doxee S.p.A.		Infocert S.p.A.	Italy	Qvalia Group AB	Sweden	, ,	
B2B Router (Invinet Sistemes)	Spain		Belgium	INPOSIA Solutions GmbH	Germany	Reknes AS Resforma AS	Norway	TX2 Concept	Singapore
B4 value.net GmbH	Germany		UK Netherlands	Integrasjonssystemer AS	Norway	Ricoh Netherlands B.V.	Norway Netherlands	UNI MICRO AS	Norway
Babelway	Belgium	3 3		Intercent-ER	Italy	C A T A	Italy	UnifiedPost	Netherlands
Basware	FU	eCoppect Internation					Germany	Unimaze Software	Iceland
BEAst AB	Sweden	(eVerbinding)		points in	DED	sted Services	,	Unit4 Agresso	Norway
Billit	Belgium	ecosio InterCom Gr	CC33	POILITS II	ILLL	POL SECURIOR	Portugal	Upheads AS	
BIZbrains A/S	Denmark	eDelivery s.r.o. – for		VAIII I SELLEI DEL A DATA VALIEDOIAA	OWEGEN	Scancioud AD	Sweden	· ·	Norway
		EDI Plus Ltd	UK	KBC Commercial Finance	Belgium	Science Warehouse Limited	UK	UPRC Greece	Greece
Bluzor B.V.	Netherlands		Spain	KMD Denmark	Denmark	SEEBURGER AG	Germany	ValidatedID S.L.	Spain
Brain2	Belgium		Norway	Kofax Sweden Services AB	Sweden	Seen Solution SrL	Italy	Van Meijel	Netherlands
Bundesrechenzentrum GmbH (BRZ)	Austria		Poland Norway	LBMX Inc.	Canada	Seres	France	Viaduct AB	Sweden
	Netherlands		Norway	Liaison Technologies Oy	Finland	Seres SA	Spain	Virtualstock Ltd.	UK
Calvi Business Software BV	UK		UK	Logiq AS	Norway	SIA S.p.A.	Italy		
Catalog360 Limited		Electronic Data Transfer S.A.S.	France	Lyanthe	Netherlands	Simpler Invoicing	Netherlands	Visma Labs	Sweden
CEGEDIM	France	Enable-U B.V.	Netherlands	Maritech Systems AS	Norway	SINGAPORE E-BUSINESS PTE LTD	Singapore	Visma Software International AS	Norway
Celtrino – EDI Factory	Ireland	Enercom Swiss Finance SA	Switzerland	Millum AS	Norway	Skaitos kompiuteriu servisas	Lithuania	Voxel Media S.L.	Spain
Centric Netherlands	Netherlands	Epoca S.r.l.	Italy	Ministry of Finance, Republic of	Slovenia	Smartbook Technology AS	Norway	Wax Digital Ltd.	UK
CGI Sverige AB	Sweden		France	Slovenia Miracle A/S	Donmark	Sorvive Technologies Inc.	USA	Webware Internet Solutions	
CloudOffice AS	Norway		Estonia	Moneybird	Denmark Netherlands	STDM SrL	Italy	GmbH	Germany
Cloud Trade Technology Ltd.	UK		Norway	mySupply ApS	Denmark	StarHub Ltd	Singapore		
CodaBox N.V.	Belgium		Netherlands	NetClient AS	Norway	Storecove (Datajust B.V.)	Netherlands	Workflow Management &	Singapore
Comarch SA	Poland	F.R. Biernat	Norway	NetEDI	UK	SYMTRAX S.A.	France	Document Consulting Asia Pte Ltd	Jameapore
Commerce-Connections	UK	Faber system Srl	Italy	Netropolix Software NV	Belgium	System Kreditt AS	Norway	Xledger Labs AS	Norway
Consorci Administració Oberta de		FIKEN AS FinHill Hilversum B.V.	Norway Netherlands	Nets Norway AS	Norway	Svea Ekonomi AB	Sweden	XS Offfice AS	Norway
Catalunya (AOC)	Spain		Croatia	nexMart GmbH & Co. KG	Germany	TB Okonomi AS	Norway	7irius AS	,
Consumer Cloud Technology		Fitek Group	Estonia	Norwegian Labour and Welfare	•	Tecmarket Servizi S.p.A.	Italy		Norway
Services Pte Limited	Singapore	Fylkesmannen i Sogn og Fjordane		Service (NAV)	Norway	Teal IT	Belgium	ZZI d.o.o	Slovenia

Mentimeter

www.menti.com

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Taking e-Invoicing to the next level

Martin Forsberg Christian Vindinge Rasmussen DIGIT

Requirements for the contracting authorities/entities

From article 7

Receipt and processing of electronic invoices

Member States shall ensure that contracting authorities and contracting entities **receive and process electronic invoices** which comply with the **European standard on electronic invoicing** whose reference has been published pursuant to Article 3(2) and with **any of the syntaxes on the list** published pursuant to Article 3(2).

a list with a limited number of syntaxes which comply with the European standard on electronic invoicing

Semantic data model of the core elements of an electronic invoice



Level of readiness



Be able to process

Expand

Active work with onboarding of new suppliers

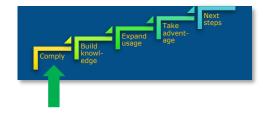
Take advantage

- Build automation
- Secure payment process

Next steps

- eProcurement order matching
- Statistics
- Better prices
- Better deliveries

Comply – receive and process



- If a supplier wants to send an eInvoice in either the UBL or CII-syntax you must:
 - have the means to receive the file/message
 - have a solution in place to process the received invoice

To receive

- A software/system which the supplier can connect to and to submit the invoice in any of the syntaxes
- Important to take interoperability into account and to allow for cross-border usage (nondomestic suppliers)
- Good idea to align with other countries to simplify for the suppliers

To process

- Ambition level differs a lot between the member states
- Full automation requires advanced solutions, knowledge and a will to change internal procedures and old habits



Build knowledge

Comply Build knowledge Expand usage adventage

- Successful implementation of eInvoicing requires
 - Widespread understanding internally
 - A communication strategy towards suppliers
 - Support from management

Internally

- Create awareness
- Explain the benefits
- Plan for efficient use plan for necessary changes
- Training of staff in new systems/software

Toward suppliers

- Keep information straight-forward and accessible
- Explain the benefits
- Align your strategies on country level and even European level
- Avoid to pointing towards specific commercial solutions



Communication with suppliers



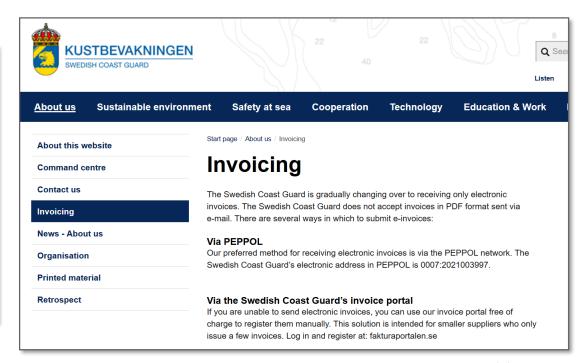
GÖTEBORGS UNIVERSITET

Gothenburg 2016-09-23

Billing the University of Gothenburg

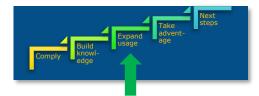
E-invoice

The University of Gothenburg prefers e-invoicing. Our suppliers can send e-invoices via PEPPOL, which enables European businesses to easily deal electronically with any European public sector buyer in their procurement process. Our PEPPOL-id is 0007:2021003153.





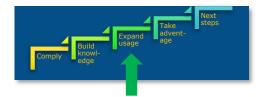
Expand usage – onboard suppliers

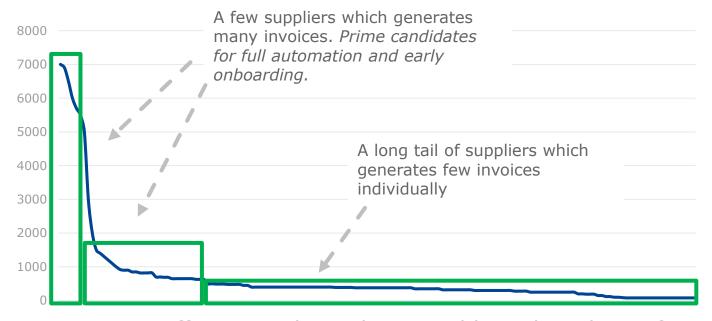


- Understand your suppliers
 - How many invoices/year do they produce?
 - How do you process the invoices?
 - How mature is the supplier?
- Create a strategy
 - How to contact them?
 - Potential incentives to offer?
 - Prioritize which group/category of suppliers to onboard
- Onboarding
 - Avoid processes where manual intervention is necessary in the technical setup
 - Remember that suppliers may have limited capabilities avoid to advanced requirements in relation to the eInvoice formats (use of fields and references)



Typical distribution of invoices/suppliers



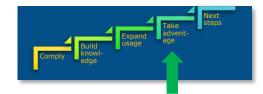


Return on effort – much can be gained by onboarding a few



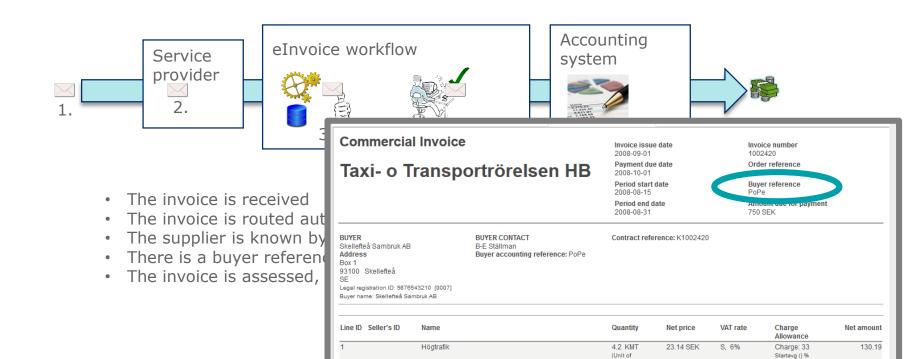
Take advantage

- Acquire system/software which enables automation
- Electronic workflow to minimize manual intervention
- Automated evaluation and matching
- Use the structured data to find errors and learn about your spending

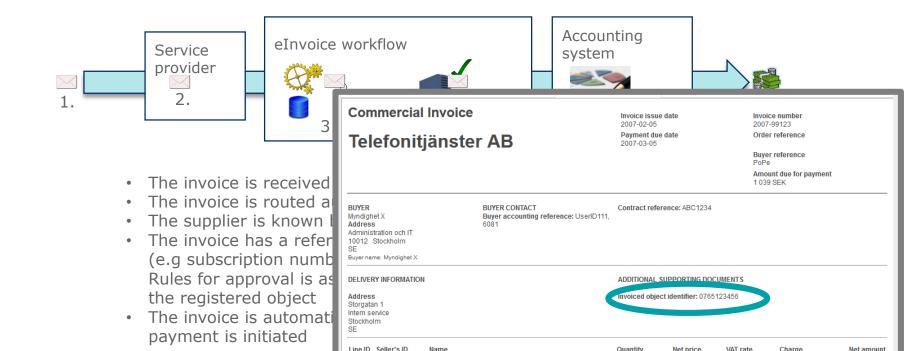




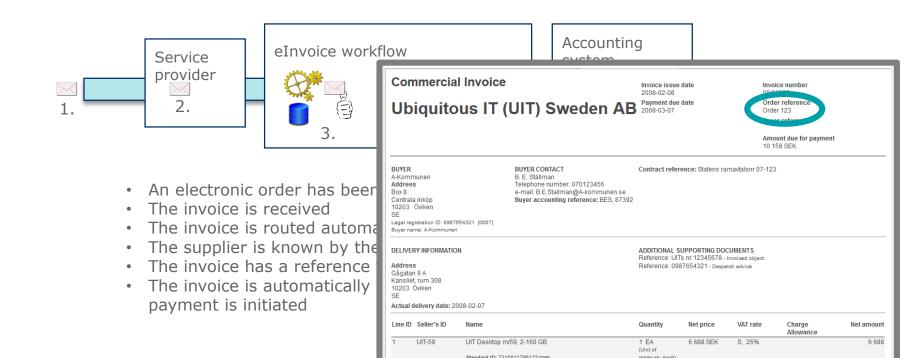
Buyer process – Workflow and manual assessment (buyer reference)



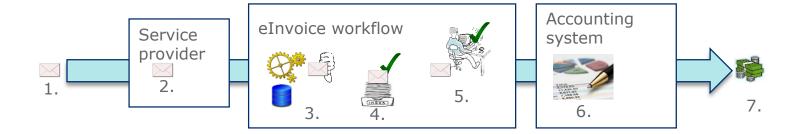
Buyer process – Automatic assessment (invoiced object reference)



Buyer process – Automatic assessment (invoice with order matching)



Buyer process - Unknown supplier



- The invoice is received
- The invoice is routed automatically to the workflow
- The supplier is not known by the buyer and is placed in a queue for handling
- The supplier is accepted and registered in the system
- There is a reference in the invoice for forwarding in the workflow
- The invoice is assessed, approved and payment is initiated



City of Skövde, Sweden – an example

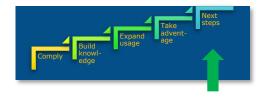


Total	125 849	10,46%
Paper invoices	23 255	18,48%
Periodical/non-ordering invoices	23149	18,39%
Order matched invoices	32 000	25,43%
Workflow using BuyerReference	47 445	37,70%



Next steps -

Implementation of eOrdering based on products and services in eCatalogues





Order the correct items
From the contracted supplier
Using the correct price
In a simple way



Get the correct items delivered At the correct time The the correct location



Automated approval of the invoice Paid in time and Correctly booked

- Lower prices
- Increased contract loyalty
- Better monitoring
- Rational and smooth process
- Improved cash management
- Enhanced security
- Environmental friendly
- Strengthened business relationships



Level of readiness

usage

Active work with

onboarding of

new suppliers

Take advantage **Expand**

- Build automation
- Secure payment

Next steps

- eProcurement order matching
- Statistics
- Better prices
- Better deliveries

Comply

- Be able to receive
- Be able to process

Build knowledge

- Internally
- Inform suppliers

process

Mentimeter

www.menti.com

Enter #12 90 63





Governance...

Characteristics from countries with high penetration of e-Invoicing

- Strong initiative from public sector
- Either a governmental authority or collaboration between several
- Provide policy/directions standards and infrastructure
- Give support and provide capacity building
- Involvement in EU-level initiatives
- EMSFEI (High level and policy issues)
- OpenPEPPOL (Operational and practical issues)



Examples of things to consider when developing a roadmap for eInvoicing

Policy for For the supplier/issuer

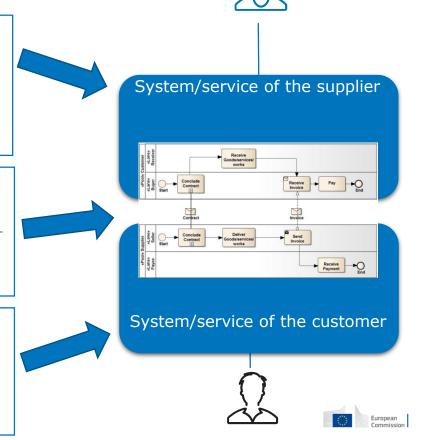
- Suppliers have a diverse environment (such as different technical solutions, processes, maturity level)
- Clear policy around standards helps
- Supporting tools can be provided validation tools, presentation style sheets, translations
- Aligned requirements on use of references and identifiers if possible

Policy for Interconnectivity

- Minimum requirement on technology for how to connect and for service providers to collaborate
- Publicly available strategy on how to handle the European standard both domestically and cross border (CIUS)
- Transmission cross border (eDelivery)

Policy for the public sector

- Up to each entity to tender for solutions or centrally provided?
- Maturity level of the public entities are temporary solutions necessary?
- Mandate eInvoicing? Through law/contracts? Also below threshold?
- Centrally provided supporting tools, help desk, training and capacity building?



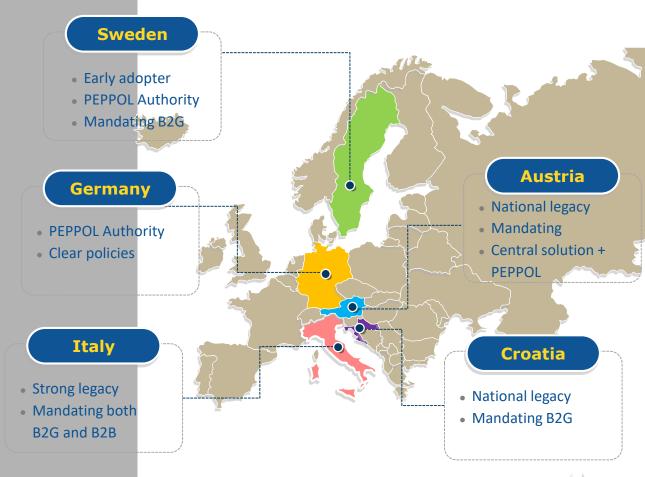




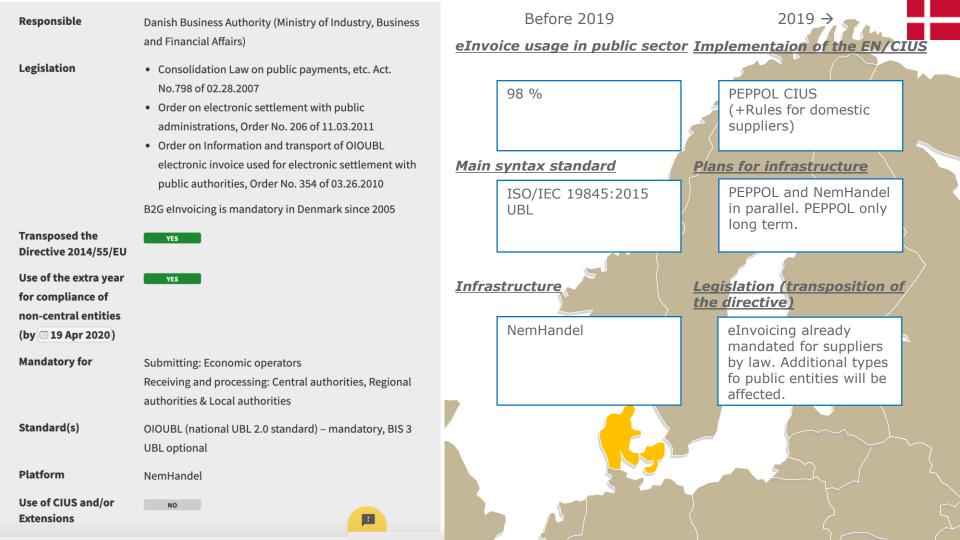
Country facts and plans for the future

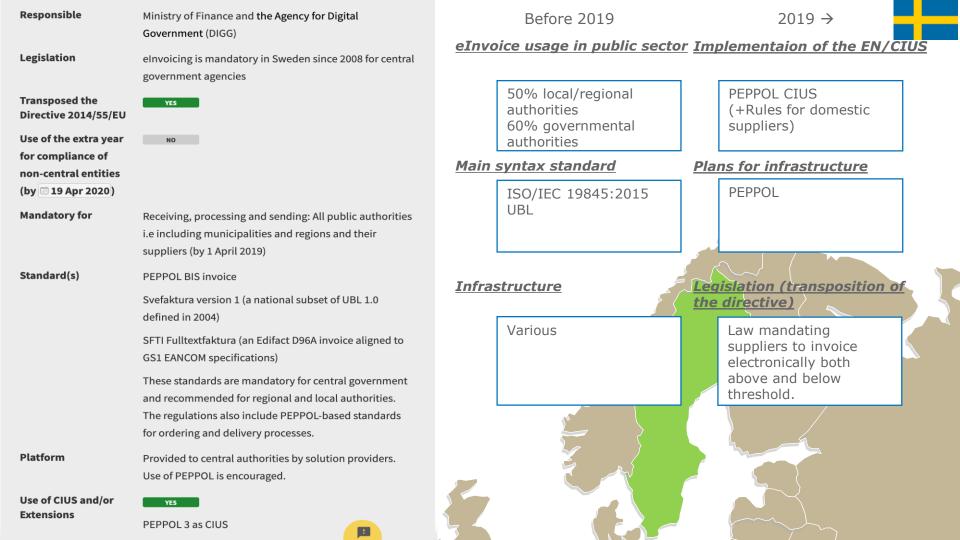
Country Facts

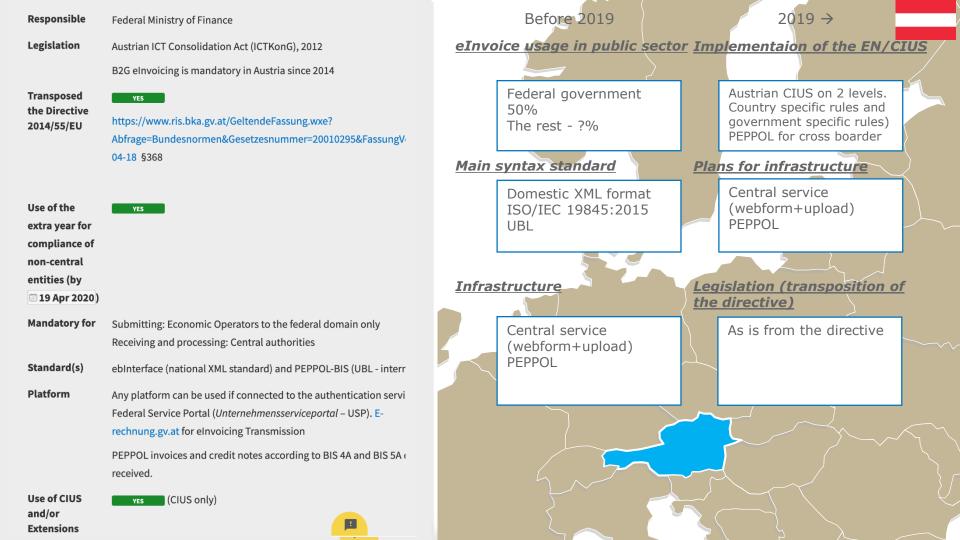
- Growing sense of urgency
- Plans are getting more and more concrete
- Still focus on technical aspects
- Lack of appreciation of the change process
- Focus on compliance rather than potential gains

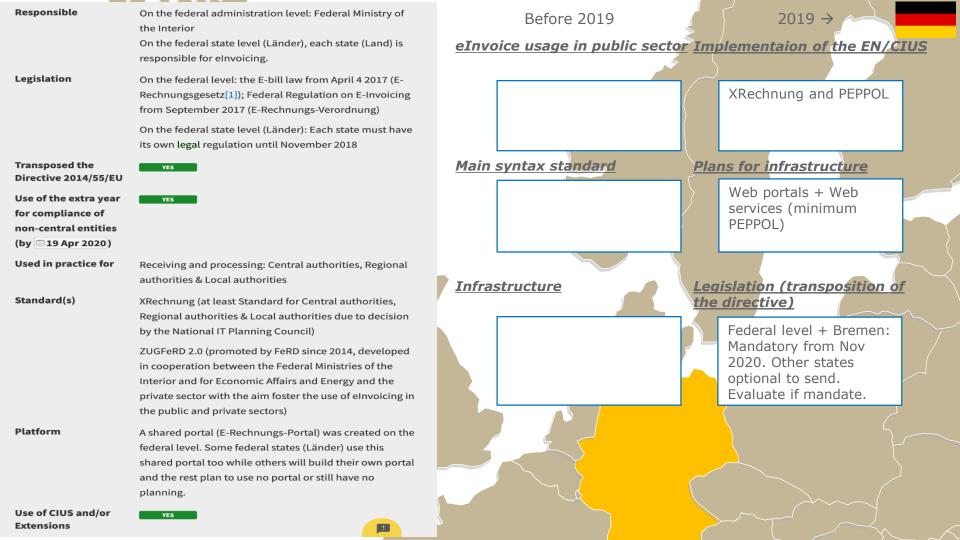


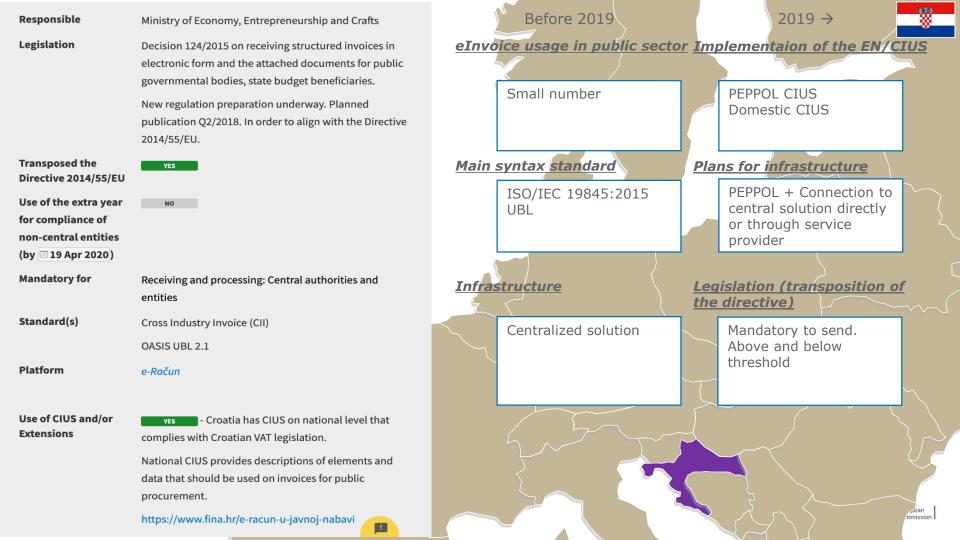












Curious to learn more?!

Contact info

CEF-BUILDING-BLOCKS@ec.europa.eu

Planning for 2019

Several workshops in planning

Meanwhile – take a look at the available material on CEF Digital

 https://ec.europa.eu/cefdigital/wiki/disp lay/CEFDIGITAL/eInvoicing



Lessons learned

QUESTIONS?