

On-site workshop eInvoicing Implementation Workshop

29 November 2018, Berlin, Germany

Today's speakers

Christian Rasmussen

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

Martin Forsberg

Martin Forsberg works as an 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.

Who are you?

What is most important for you?

Highlights of the workshop

DURING



Ask questions



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AFTER



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Objectives of this workshop

Participants will learn about:

- CEF eInvoicing and our services
- The European norm and the Directive 2014/55/EU on electronic invoicing in public procurement
- Presentation of the European norm and related **specifications**
- Ways to implement eInvoicing

Audience for this workshop

- Public authorities
- Private entities
- Policy makers
- Members of standardisation bodies
- eInvoicing implementers for:
 - Software services
 - Solution providers





CEF eInvoicing – Our services and how to get started

Christian Vindinge Rasmussen DIGIT

What is CEF eInvoicing?



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 1.600M Euro for further funding of implementation

* - 100 M Juncker Package



What is a CEF Building Block?





TRANSLATE



INVOICE with eInvoicing



SIGN with **eSignature**



EXCHANGE with eDelivery

DEFINITIONS

A Building Block is a package of technical specifications and/or services and/or sample software that can be reused in projects of any policy domain. In particular:

- The technical specifications of a Building Block are as much as possible open and marketdriven.
- The services of a Building Block must be well defined i.e. documented, with SLAs, training, helpdesk, etc.
- The software of a Building Block must have sufficient maturity i.e. successfully piloted for cross-border transactions.



The CEF 'Big Picture'



Funding for the MEMBER STATES

Grants - Projects in the Member States

Typically 'deployment' projects at national level (up to 75% of eligible cost)



What are Digital Service Infrastructures?



(*) A Building Block is a package of technical specifications, services and sample software that can be reused in different policy domains:



Phase 1: eGovernment.

However Europe cannot fully benefit from it because we are still working in silos, we still have digital borders....



😂 Citizens 📮

Phase 2: Platforming Government. We need to remove digital barriers to create a fully functioning Digital Single Market.



🚊 Citizens



Phase 3: Smart Government. This is how we will ensure high quality, user-centric digital public services for citizens and seamless cross-border public services for businesses.



😫 Citizens 🛛 💶 Businesses 🏦 Public Administrations

The European Commission's Digital Strategy



The CEF Building Blocks



Deployment in the CEF Digital Programme

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Disited Gaussia			EXCHANGE with	SIGN with	IDENTIFY with	TRANSLATE with	INVOICE with
Digital Service Infrastructures			eDelivery	eSignature	eiD	erranslation	einvolcing
E	Europeana	DG CONNECT					
Safer internet		DG CONNECT					
European Data Portal DG		DG CONNECT					
Cybersecurity DG CONNE		DG CONNECT					
	ERN	DG SANTE					
eHealth Patient	summary	DG SANTE					
1	eCertis	DG GROW					
eProcurement	ESPD	DG GROW					
le	Tendering	DG GROW					
(eInvoicing	DG GROW					
Translation ELI	RC service	DGT					
erransiation eTra	ns. service	DGT					
		Reusing Com	mitment to reuse	Commitment to analyse	Not applicable	Not going to reuse	2



Deployment in the CEF Digital Programme

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Digital Service Infrastructures			EXCHANGE <i>with</i> eDelivery	SIGN <i>with</i> eSignature	IDENTIFY <i>with</i> eID	TRANSLATE with eTranslation	INVOICE <i>with</i> eInvoicing
	e-Justice portal	DG JUST					
	E-evidence	DG JUST					
e-Justice	IRI	DG JUST					
	Standard forms	DG JUST					
	Me-CODEX	DG JUST					
e-Justice BRIS		DG JUST					
ODR DG JUS		DG JUST					
ESSI DG GROV		DG GROW					
P2P Mobile Payments DG FISMA							
eArchiving DG CN		DG CNECT					



Significant growth in the last year. Since November 2017...

Reuse + 128 %

41 more projects at the EC are **reusing** the CEF Building Blocks

73 EC projects reusing BBs

Nov. 2017

EC projects reusing BBs

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32



Monitoring dashboard on CEF Digital



Success Stories + 350%

21 more teams told us how they have successfully re-used the CEF Building Blocks



Nov. 2017

Success Stories

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6

Nov. 2018

View Success Stories on CEF Digital



New DSI's!!!

- In 2019, 3 new DSIs will be launched and new funding will be made available through CEF.
- Big Data Testing Facilities
- eArchiving
- Context Broker







CEF Digital

\bigcirc CEF Digital Connecting Europe **CEF Digital Home** elnvoicing Helping public entities adopt the European standard on electronic invoicing. Learn about elnvoicing + Everything you need to know about elnvoicing **Quick Links Use elnvoicing** + For public entities getting started with elnvoicing in public procurement Make your solution conformant + Latest For solution & service providers looking to adopt the European standard on elnvoicing Model Join the community + Join one or more communities or help promote the uptake of elnvoicing

Featured

Call for grants opens 28 June 2017

MENU -

COMMUNITY

Communities

elnvoicing User Community 🔒

European Multi-Stakeholder Forum on elnvoicing 🔒

Contact support

E All elnvoicing Services

Readiness Checker

In Monitoring dashboard

CEN Publishes elnvoicing Semantic Data

The Innovation and Networks Executive Agency (INEA) launches grants of up to €10 million to support electronic invoicing (elnvoicing) in Europe.



CEF eInvoicing User Community



Keep an eye out for CEF eInvoicing event in Brussels on 4 December



eInvoicing Readiness Checker





* https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/Success+Stories



Connecting Europe Success Stories



Laurentius - A Connecting Europe Success Story Nic MC GRATH - Feb 14, 2018

eselwery estimature By using the CEF AS4 profile and CEF's conformance testing platform the team at the Slovenian Supreme Court has succeeded in speeding up the judicial process, saved staff from mundane tasks and generated savings of over €4.5M per year. News Event calendar Digital Service Infrastructures Media library

Success stories

Latest

Read all the Connecting Europe success stories on CEF Digital

View →

CEF eInvoicing Trainings

OBJECTIVE OF THE SERVICE

The CEF eInvoicing training service provides policy makers, public entities, suppliers to public entities, solution & service providers with information on the eInvoicing Directive and the European standard on eInvoicing. The following type of sessions are available:



Implementation workshops – one full or one half-day on-site workshop provided to public entities and policy makers So far workshops in **Cyprus, Finland, Estonia, Poland, Greece, Croatia, Ireland, Sweden and Malta**; Apply via <u>CEF-BUILDING-BLOCKS@ec.europa.eu</u>



Remote trainings – live open online sessions focused on eInvoicing topics for specialised target audiences



Webinars – series of 9 one-hour long webinars on eInvoicing topics open to all audiences (all materials & recordings available on CEF Digital)

BENEFITS

• Free of charge information sessions that aim to support public entities and software & service providers to comply with the eInvoicing Directive and the European standard on eInvoicing



Achievements

Past eInvoicing workshops

Scope changed during the first year from **capacity building** to **actual hands-on** implementation workshops.

Different maturity levels in the EU:

- Only few high maturity Member States
- Large group of Member States getting started
- 8 less maturity Member States

• 11 on-site workshops held from Sep. 2017 to Oct. 2018

	2017	2018	2019	Request		
September	Finland Cyprus					
October		Sweden Lithuania			Green = Done or planned	
November	Poland Estonia	Czech Rep. Germany			Red = Agreed but details missing	
December	Greece	Austria Spain				
January			Ireland (2) Portugal		Blue = Request for workshop but not planned	
February		Croatia		Denmark Norway		
March		EESPA	EESPA	Belgium Italy Latvia		
April		Ireland Malta		France Greece (2) Estonia (2)		
Мау				Cyprus (2) Finland (2)		
June				EESPA? EBA?		

Commission



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Current landscape

First set of workshops was intended to:

- Setting the scene
- Getting Member States up to speed with eInvoicing
- Focus on Public authorities

The Member States are going from **gaining knowledge and capacity building** to **actual implementations** of the eInvoicing Directive

- Only few Member States are implementation "ready"
- Large group of countries is now moving faster
- Some Member States still have no active role in the community or is currently planning for implementation



New focus = new material and workshops

With the **increase in demand** and **change of scope**, CEF will focus on:

- Getting the last Member States onboard
- Onboarding service
 providers
- New material on
 implementation roadmaps
- New Webinars

Focus has changed in **75%** of the Member States to **actual implementation** of the building blocks, CIUS creation, governance model.

We will **continue to offer the first workshop** to those countries who did not yet benefit from it.

On request, we will offer **follow-up workshops on onboarding service providers** and only if demand permits.

New content available for **workshops** and **webinars** oriented towards **private sector** including best practice, roadmaps and implementation guides, hands-on support with CIUS and eDelivery.





eInvoicing from a user's perspective

Martin Forsberg DIGIT

Background

- Problems with many standards
- Lack of normative contextualised standards (only workshop agreements)
- **Different approaches and ambitions** in Member States to implementing eInvoicing and eProcurement
- The Directive on electronic invoicing in public procurement (<u>Directive 2014/55/EU</u>) was developed, setting a **minimum requirement** for the public sector

From the Directive

The benefits of electronic invoicing are maximised when the generation, sending, transmission, reception and processing of an invoice can be fully automated.

• • •

A mere image file should not be considered to be an electronic invoice for the purpose of this Directive.



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;







So eInvoicing, in the context of the Directive, is

- Formatted in a structured way so that it can be processed efficiently
- Issued, transmitted and received electronically

This rules out:

- Paper invoices which are scanned by the receiver but managed in an electronic workflow system
- PDF-invoices created by the issuer and sent to the receiver


eInvoicing from a user perspective

Why eInvoice?

Quicker payments

Better quality

Good for environment

Saves time

Better security Required by the customer

Cost saving

Required by law?



Many different options – Generation of the eInvoice

Generation of the eInvoice, examples

- Directly from the ERP/Accounting system
 - Often internal format which is transformed into exchange format
- Through a web-portal
 - Provided by the customer
 - By supplier's own choice
- Printer capture/Virtual printer
 - Software installed as printer
 - When printing, the data is captured and transformed to an eInvoice

Preferred option may depend on

- Volume of invoices
- Size of supplier
- Requirement from customer



System/service of the supplier



System/service of the customer





Many different options – transmission of the eInvoice

Transmission of the eInvoice

- 4-corner model often with help from a service provider
 - Connected to network of other service providers
 - Connected to an eDelivery network (PEPPOL)
- 3-corner model both trading partners are using the same platform
- 2-corner Peer-to-peer, direct connection
 - FTP, web service/API, e-mail



Reception of eInvoice - components to have in place

- Workflow for eInvoice/eProcurement solution
 - For handling the eInvoices in an efficient manner
 - Visualization, assessment/approval
 - Sometimes integrated in the ERP but often a separate service
- ERP/Accounting solution
 - For accounting and payment initiation







Centralized or decentralized handling of invoice assessment

generation transmission <u>reception</u> <u>processing</u>

- For invoices which are not automatically matched, a manual assessment is necessary
- By using references, the invoice can be forwarded directly to the person/role responsible for assessing the invoice
 - Requires a workflow system
 - Important with data quality of the reference value
 - Sometimes hard to make the supplier to provide/enter the reference
- Without available references, all invoices are received by a single entry point
 - Person/function assessing or forwards the invoice to the relevant person





System/service of the customer





Buyer process – manual assessment with workflow support



- 1. The invoice is transmitted from the supplier
- 2. The invoice is received by the buyer
- 3. The invoice is routed automatically to the workflow
- 4. The supplier information is verified
- 5. There is a buyer reference in the invoice for forwarding in the workflow
- 6. The invoice is assessed and approved
- 7. Cost is booked into accounts and payment is initiated



Straight through invoice processing

- Information in the invoice is used to automatically assess and approve the invoice
- Only invoices deviating from what is expected are marked for manual assessment
- Use of Order reference
 - Refers to a purchase order previously issued by the seller
- Periodical invoices related to subscription, electricity, telecom or other invoice objects
 - Requires an invoice object registry with approved max/min, allowed variances
 - Can result in positive side effects such as identification of unused phone subscriptions



System/service of the customer





Buyer process – straight through processing



- 1. The invoice is transmitted from the supplier
- 2. The invoice is received by the buyer
- 3. The invoice is routed automatically to the workflow
- 4. The supplier information is verified
- 5. The invoice has a reference to an order or a registered object (e.g subscription number, rent object id). Rules for approval is associated with the registered object
- 6. The invoice is automatically assessed and approved
- 7. Cost is booked into accounts and payment is initiated





The European Norm and its content

Martin Forsberg DIGIT

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







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



Section 1-3 - Scope, references, terms & definitions

Section 4 – The concept of a core invoice

Section 5 – Business process to support

Section 6 – The semantic model, rules and data types

Section 7 – Core Invoice Usage Specification (and compliance)

Annex A – Examples (Informative)

Annex B – Assessment of the EN towards the Standardization request (Informative)

Annex C – How does the EN meet legal requirements (Informative)

Annex D – BPMN symbols (informative)



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Reasons for a core invoice

The European standard recognises the following reasons:

- Business environment is diverse also the need for information exchange
- Invoices from different situations may potentially contain many information elements a complete model becomes very large and complex
- Even if it would technically be possible to have a large model, it would be challenging and costly
- When different countries/industries use subset of large standards, interoperability is hampered and silo-implementations are created

Common understanding





The concept of a core invoice – How?

The norm identifies a few **guiding principles**:

- It should be easier to use than paper invoicing
- Standardised information elements makes processing more efficient (than paper invoices)
- It should be possible to use without prior consultation or bilateral agreements
- It should contain information to enable efficient and automatic processing
- Software should be able to present all information, and automatically process structured data
- Structured data should result in optimised business processes
- The core invoice model should not make assumptions on the method of creation, delivery or processing
- The core invoice model should not make assumptions on the syntax or transmission technology



Requirement driven approach on defining the model

- Each business term in the model comes from one or more documented (and numbered) requirement
- The requirements give a good understanding of the background





Business processes to support

The invoice model contains information elements to support the following processes

- P1: Invoicing of deliveries of goods and services against purchase orders, based on a contract
- P2: Invoicing deliveries of goods and services based on a contract
- P3: Invoicing the delivery of an incidental purchase order
- P4: Pre-payment
- P5: Spot payment
- P6: Payment in advance of delivery
- P7: Invoices with references to a despatch advice
- P8: Invoices with references to a despatch advice and a receiving advice
- P9: Credit notes or invoices with negative amounts, issued for a variety of reasons including the return of empty packaging
- P10: Corrective invoicing (cancellation/correction of an invoice)
- P11: Partial and final invoicing
- P12: Self billing



Business requirements derived from the processes

- Based on the identified processes and listed invoice functions, requirements are defined
- Each requirement has an assigned identifier

- R5 information to trace to a single related purchase order from the document level (all processes, except P2 and P5);
- R6 information to trace to a single related purchase order line from the invoice line (all processes, except P2 and P5);
- R7 information to trace to a single contract and the underlying call for tenders from the document level (all processes, except P3 and P5);



Europear





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





EN 16931-1:2017 Chapter 6.3 © CEN, reproduced with permission

Business rules

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

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





Access to the specifications

Negotiations with the EC on sponsored access – agreement imminent

Be aware of the copyright rules

cen		Contact
European Committee for Standardization		
CEN COMMUNITY TECHNICAL BODIES STANDARDS EVOLUTION AND FORECAST SEARCH	H STANDARDS	
echnical Bodies > CEN/TC 434		
CEN/TC 434 - Electronic Invoicing		
General Structure Work programme Published Standards		
		EN FR D
CEN/TC 434 Published Standards		×
Reference, Title	Publication date	🚔 Sales Points
CEN/TR 16931-4:2017 (WI=00434004) Electronic involcing - Part 4: Guidelines on interoperability of electronic invoices at the transmission level	2017-07-05	`₩
CEN/TR 16931-5:2017 (WI=00434005) Electronic involcing - 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	2017-07-05)ä
CEN/TR 16931-6:2017 (WI=00434006) Electronic involcing - Part 6: Result of the test of EN 16931-1 with respect to its practical application for an end user	2017-10-18	\ \
CEN/TS 16931-2:2017 (WI=00434002) Electronic involcing - Part 2: List of syntaxes that comply with EN 16931-1	2017-06-28)¥
CEN/TS 16931-3-1:2017 (WI=00434007) Electronic involcing - Part 3-1: Methodology for syntax bindings of the core elements of an electronic involce	2017-07-05	À
CEN/TS 16931-3-2:2017 (WI=00434008) Electronic involcing - Part 3-2: Syntax binding for ISO/IEC 19845 (UBL 2.1) invoice and credit note	2017-10-18	¥
CEN/TS 16931-3-2:2017/AC:2018 (WI=00434C01) Electronic involcing - Part 3-2: Syntax binding for ISO/IEC 19845 (UBL 2.1) Invoice and credit note	2018-07-18	স
CEN/TS 16931-3-3:2012 (WI=00434009) Electronic involcing - Part 3-3: Syntax binding for UN/CEFACT XML Industry Invoice D16B	2017-10-18	দ
CEN/TS 16931-3-4:201Z (WI=00434010) Electronic involcing - Part 3-4: Syntax binding for UN/EDIFACT INVOIC D16B	2017-10-18	١
EN 16931-1:2017 (WI=00434001) Electronic invoicing - Part 1: Semantic data model of the core elements of an electronic invoice	2017-06-28	١

Examples of questions which the standard gives answers to



Which document types can be attached to an invoice?



Which element should be used for a reference to the customer, similar to "Your reference" in a paper invoice?



We use "Reverse Charge" VAT. Should the Tax Amount always be 0?



Syntaxes which comply with the European standard on eInvoicing

Martin Forsberg DIGIT

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).



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	₩G3	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


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TS 16931-3-2	WG3	Electronic invoicing - Part 3-2: Syntax binding for ISO/IEC 19845 (UBL 2.1) invoice and credit note
⁻ S 16931-3-3	WG3	Electronic invoicing - Part 3-3: Syntax binding for UN/CEFACT XML Cross Industry Invoice D16B
S 16931-3-4	WG3	Electronic invoicing - Part 3-4: Syntax binding for UN/EDIFACT INVOIC D16B
S 16931-3-5	WG3	Electronic invoicing - Part 3-5: Syntax binding for the Financial Invoice based on ISO 20022
R 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
R 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





Usage specifications and compliance

Martin Forsberg DIGIT

Compliance and conformance - The European standard defines these concepts

Compliant

some or all features of the core invoice model are used and all rules of the core invoice model are respected Conformant

all rules of the core invoice model are respected and some additional features not defined in the core invoice model are also used



Extensions

Core Invoice Usage Specifications

From article 7 in the directive

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).



Core – something in common

International Standard Syntax (CII/UBL)

Extension Core Usage specification

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



Assuming the invoices are conformant against its specifcation (EN/CIUS/Extension)



A few more scenarios





😑 📷 🔓 Spaces 🛩 People



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

Торіс	Registry of CIUS (Core Invoice Usage Specifications) and Extensions
Excerpt	This page aims to give the elevoicing 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 elevoicing.
Status	OPEN
Deadline	Ongoing

Provide information on CIUS and Extensions

The table below aims to give the elevoicing 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 elevoicing. 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
OpenPEPPOL BIS 3.0 5A	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 CIUS	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 CIUS	CIUS	AT	Any	Apply national regulations	BRZ	BRZ	EN16931	Publication on eRechnung.gv.at asap	ACTIVE	Philip HELGER
Austrian government CIUS	CIUS	TA	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
inergy sinvoice	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	Simplerinvolcing (SI-UBL)	https://energie-efactuur.nl/erv	DEVELOPMENT	Wouter van den Berg (TNO)
Italian national CIUS	CIUS	σ	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)

CEF Knowledge Base

PAGE TREE

SPACE SHORTCUTS

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

9

Q

General rules and country-qualified rules

- A general rule applies for all invoices
 - The rule is triggered by the existence of a spefic business term

```
Rule text from the standardIn an Invoice line where the Invoice item VAT category code(BT-151) is "Export outside the EU" the Invoiced item VAT<br/>rate (BT-152) shall be 0 (zero).Context (what triggers the rule)Existence ofInvoiceLine/Item/ClassifiedTax/CategoryCode='XYZ'
```

Example rule text from a CIUS The Seller Name must not have more than 50 characters Context (what triggers the rule) Existence of

Seller/Name

- A **country-qualified rule** applies only for invoices issued in a specific country
 - The rule is triggered by the given country code of the seller

Example rule text from a Country specific CIUS						
When the Seller is Swedish, the Legal Registration Number						
must be numeric with 10 digits.						
Context (what triggers the rule)						
Existence of						
Seller/Address/CountryCode=`SE'						
AND existence of						
Seller/LegalRegistrationNumber						



Layers of validation rules in **PEPPOL**





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:AccountingSupplierParty/cac:PostalAddress/cac:Country/cbc:IdentificationCode = 'DK' and (normalize- space(cbc:AccountingCost/text()) = ''))				
DK-R-002 (fatal)	Danish suppliers MUST provide legal entity (CVR-number).				
	ubl-creditnote:CreditNote ubl-invoice:Invoice				
	not(cac:AccountingSupplierParty/cac:Party/cac:PostalAddress/cac:Country/cbc:IdentificationCode = 'DK' and (normalize- space(./cac:AccountingSupplierParty/cac:Party/cac:PartyLegalEntity/cbc:CompanyID/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





Member state plans for the future

TOMORROW

Denmark

TODAY

eInvoice usage in public sector

98 %

Main syntax standard

ISO/IEC 19845:2015 UBL

Implementaion of the EN/CIUS

PEPPOL CIUS (+Rules for domestic suppliers)

Plans for infrastructure

PEPPOL and NemHandel in parallel. PEPPOL only long term.

Infrastructure

Legislation (transposition of the directive)

NemHandel

eInvoicing already mandated for suppliers by law. Additional types fo public entities will be affected.



TOMORROW

Sweden

TODAY

eInvoice usage in public sector

50% local/regional authorities 60% governmental authorities

Main syntax standard

ISO/IEC 19845:2015 UBL

Infrastructure

Various

Implementaion of the EN/CIUS

PEPPOL CIUS (+Rules for domestic suppliers)

Plans for infrastructure

PEPPOL

Legislation (transposition of the directive)

Law mandating suppliers to invoice electronically both above and below threshold.



TOMORROW

Norway

TODAY

eInvoice usage in public sector

70-80%

Main syntax standard

ISO/IEC 19845:2015 UBL

Infrastructure

PEPPOL

Implementaion of the EN/CIUS

PEPPOL CIUS (+Rules for domestic suppliers)

Plans for infrastructure

PEPPOL

Legislation (transposition of the directive)

Still under discussion. Potentially partial mandating.



Netherlands

TODAY

eInvoice usage in public sector

Central government 50% Regional/local 5%

Main syntax standard

ISO/IEC 19845:2015 UBL

Infrastructure

Central government - hub The rest - PEPPOL Implementaion of the EN/CIUS

Country CIUS but will also accept PEPPOL CIUS

TOMORROW

Plans for infrastructure

PEPPOL

Legislation (transposition of the directive)

As is from the directive. Mandate on the central government to require eInvoicing in new contracts.



TOMORROW

Austria

TODAY

eInvoice usage in public sector

Federal government 50% The rest - ?%

Main syntax standard

Domestic XML format ISO/IEC 19845:2015 UBL

Infrastructure

Central service (webform+upload) PEPPOL

Implementaion of the EN/CIUS

Austrian CIUS on 2 levels. Country specific rules and government specific rules) PEPPOL for cross boarder

Plans for infrastructure

Central service (webform+upload) PEPPOL

Legislation (transposition of the directive)

As is from the directive



TOMORROW

Cyprus

TODAY

eInvoice usage in public sector

0%

Main syntax standard

Infrastructure



Implementaion of the EN/CIUS

PEPPOL CIUS (+Rules for domestic suppliers)

Plans for infrastructure

PEPPOL

Legislation (transposition of the directive)

As is from the directive



TOMORROW

Poland

TODAY

eInvoice usage in public sector

0%

Main syntax standard

Implementaion of the EN/CIUS

PEPPOL CIUS (+Rules for domestic suppliers)

Plans for infrastructure

PEPPOL

Infrastructure

_

Legislation (transposition of the directive)

As is from the directive



TOMORROW

Croatia

TODAY

eInvoice usage in public sector

Small number

Main syntax standard

ISO/IEC 19845:2015 UBL

<u>Plans for infrastructure</u>

Implementaion of the EN/CIUS

PEPPOL CIUS Domestic CIUS

PEPPOL + Connection to central solution directly or through service provider

Infrastructure

Legislation (transposition of the directive)

Centralized solution

Under discussion but likely also below threshold, potentially mandating suppliers



Main take aways so far...



Implementation of the EN is progressing slowly, but still progressing over the next 12 (-18) months

- CIUS is being developed across different domains
- **PEPPOL CIUS** is currently expected to be the most used
- Some Member States (MS) have moved from little or some knowledge, to now good insight to the EN and have actual roadmap for implementations
 - Some Member States are lacking behind...
 - Political backing
 - Lack of clear responsibility of eInvoicing within the MS
 - Lack of national expertise in implementation or governance of eInvoicing





Infrastructure (eDelivery) in coherence with CEF Invoicing

Four-corner model

A common approach for service provider collaboration





System environments tend to be very complex today.

Many critical business functions are carried out as services provided by third parties.





Contractual view

on four-corner-model









Functional view and common added services

in four-corner-model


Use of standards

in four-corner-model





Four-corner model characteristics (in the context of elnvoicing/EDI)

- End Entities (Supplier/Customer) may choose any Service Provider connected to the network.
- The Service Providers are acting on behalf of the End Entities.
- The Service Provider collaborates in networks, either with bilateral or multilateral collaboration agreements
- The collaboration agreements specifies technical aspects (such as type of transport protocol) but also service levels and issue resolution procedures
- The *Exchange Format* of payloads/messages used between the *Service Provider are often pre-agreed*.
- Each End Entity only needs to enter into a contractual agreement with its selected Service Provider .
- Service Providers may transform data to/from the agreed Exchange Format before sending or after receiving depending of the End Entity's preferences. The creation of the business document, in its Exchange Format, can happen either in the issuer's own systems or it may be translated from an In-house Format to the Exchange Format by the Service Provider.
- The *Service Provider* often offers more added value services to the *End Entity* (such as archiving, syntax validation, syntax transformation).

What about the three-corner model?





Collaboration between service providers is necessary!





- Recommends best practices
- Promotes interoperability
- Advocates wide adoption of einvoicing



- Non-for-profit association with 300 member organisations (260 service provider/Access points)
- Recommends and develops standards for use in eprocurement
- Provides the legal framework and technical services for an exchange network



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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













Transport Infrastructure Agreements (TIA)

- The Access Point Provider and the Service Metadata Publisher Provider must sign a contract with OpenPEPPOL (or any of the PEPPOL Authorities)
- Agreements defines responsibilities, expectations, service levels and more
- Only providers who have signed the agreements can participate in the network (controlled by digital certificates on a communication level)



CEF eDelivery (PEPPOL) offers dynamic addressing

- The receiving address is stored in a registry in the network
- No need for pre-configuration of each trading partner
- Dynamic addressing enables mass adoption
- Makes migration between service providers easier







PEPPOL today

+200 Certified Access Points in **20** European countries, plus Singapore, Canada and USA. More than **150.000** e-Invoice receiving organizations connected. **60 million** e-invoices between APs in 2017.

12 PEPPOL Authorities

- Agency for Digital Italy (AgID) (Italy)
- Agency for Public Management and eGovernment (Difi) (Norway)
- Danish Business Authority (Denmark)
- Department of Health (UK)
- Department of Public Expenditure and Reform (Ireland)
- Federal Public Service Policy and Support (BOSA) (Belgium)
- Agency for Digital Government (DIGG) (Sweden)
- Free Hanseatic City of Bremen KoSIT (Germany)
- Ministry of Economic Development (Poland)
- SimplerInvoicing (Netherlands)
- Info-communications Media Development Authority (IMDA) (Singapore)
- OpenPEPPOL AISBL



No mandatory support for any particular transport mechanism on European level





Exchange infrastructure – a challenge which will take time to solve







Governance Models and implementation roadmaps in eInvoicing, and eDelivery

Christian Rasmussen DIGIT

CEF's IT Governance Model



OpenPEPPOL's Governance Model



For Service Providers - Your checklist:

- Which OpenPEPPOL Authority should I sign up with?
- Where should I invest my time in the OpenPEPPOL governance model?
- How should I involve my stakeholders?

- If your country has a PEPPOL Authority then this should be priority one for you
- If your PEPPOL Authority has specific rules make sure to study these first before entering into an agreement
- Get onboard and start to interact with the community
 - Not only at CEF Digital but also at OpenPEPPOL Coordinating Communities
- Involve your primary stakeholders early in the process and make sure it is transparent what you intend to do
- And remember many other people around EU is doing the same thing right now as you – thinking, asking and doing eInvoicing implementations



Roadmap for mass adoption of eInvoicing

Success factors from early adopters are

- Policy on standard for format and content
- Policy on transmission technology
- Support available to implementers
- Tools which helps on conformance testing
- Legal requirements



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 System/service of the supplier Supporting tools can be provided – validation tools, presentation style sheets, translations Aligned requirements on use of references and identifiers if possible **Policy for Interconnectivity** Pay 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) Receive Payment -0 System/service of the customer **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 necessarv? Mandate eInvoicing? Through law/contracts? Also below threshold? Centrally provided supporting tools, help desk, training and capacity building?

Roadmap to deploy CEF *eInvoicing* on a country level



Roadmap to deploy CEF eDelivery



Need a checklist?

- At CEF Digital you can find a comprehensive checklist on how to implement CEF eInvoicing on EU public level
- The checklist is created by other Member States who already implemented the EN standard and eDelivery infrastructure

elnvoicing

If you are a public administration in the EU, or you would like to do business with one, you will need to comply with the European standard for sending, receiving and processing electronic invoices.

Learn about elnvoicing Understand how elnvoicing will impact public procurement in your country. + Use elnvoicing Start your elnvoicing implementation with our support services and knowledge articles. Make your solution conformant Find out if your elnvoicing solution complies with the European standard on elnvoicing (EN + 16391). + Join the community

Featured

elnvoicing in each Member State

Quick Links

- A Join the Community
- All elnvoicing Services
- II Monitoring dashboard
- Media Library

Key documents

- elnvoicing infographic (PDF)
 Conformance testing Service
 Offering Description (PDF)
- EMSFEI guidance on implementation for EU public administrations (PDF)

Latest

Contact us >

CEF eInvoicing: Publication of the Electronic Address Scheme Code List

European Commission



Security Aspects of eDelivery – eIDAS compliance

Christian Rasmussen DIGIT

Commission 2017 Work Programme



KEY INITIATIVES 21 key initiatives to implement our 10 political priorities in 2017

A New Boost for Jobs. Growth and Investment A Europe that preserves our way of life and empowers our young

1 Youth initiative 2. Implementation of the Action Plan on Circular Economy Financial framework beyond 2020

A Europe that empowers its citizens and businesses

4. Implementation of the Digital Single Market Strategy

A Resilient Energy Union with a Forward-Looking

A Europe that takes responsibility for delivery on promises made

5. Implementation of the Energy Union Strategy: low-

6. Implementation of the Single Market Strategy

8. Implementation of the Space Strategy for Europe

9. Implementation of the Capital Markets Union Action Plan

A Europe that protects our economies and ensures a fair

A Deeper and Fairer Economic and Monetary Union

A Connected Digital Single Market

Climate Change Policy

Industrial Base

emission travel and mobility

and stands up for its industry

7. Fairer taxation of companies

playing field for workers and business 10. A strong Union built on a strong EMU

11. European Pillar of Social Rights



Trade: A reasonable and Balanced Free Trade agreement with the US

A Europe that is open and trading with our partners while strengthening its defence instruments



12. Implementation of the Trade for All strategy

An Area of Justice and Fundamental Rights Based on Mutual Trust A Europe that defends and preserves our values of freedom, democracy and the tule of law



14. Progress towards an effective and genuine Security Union

Towards a New Policy on Migration A Europe that protects our borders and delivers on a responsible migration policy



15. Implementation of the European Agenda on Migration

A Stronger Global Actor A Europe that protects also defends our interests beyond our borders



16. Implementation of the European Defence Action Plan 17. Implementation of the EU Global Strategy 18. EU Strategy for Syria 19. Africa - EU Partnership: renewed impetus

A Union of Democratic Change A Europe that takes responsibility, listens and delivers



20. Modernisation of Comitology procedures

21. A more strategic approach to enforcement of EU law



















Benefits with an impact

10 TOP PRIORITIES OF THE EC

Jobs, growth and investments

Digital Single Market

Energy Union and Climate

Internal market

- A deeper and fairer economic and monetary union
- A balanced EU-US free trade agreement

Justice and fundamental rights

Migration

A stronger global actor

Democratic change

PROBLEM

- Europeans often face barriers when using online tools and services
- At present, markets are largely domestic in terms of online services
- Only 7% of EU small- and medium-sized businesses sell cross-border

SOLUTION

- This includes common EU data protection, copyright rules, boosting digital skills, accessible online content
- ...and Cross-border
 Digital Public
 services



CONSEQUENCE

 Maximise economic potential, growth/jobs – anticipated to be 415€ billion to EU economy



SOCIETAL CHALLENGES

Only 59% of Europeans can access 4G networks

90% of jobs will soon require digital skills

+ €11 billion in savings for consumers when shopping online eIDAS

CITIZEN OF THE FUTURE

THE DIGITAL

with **eID**

IDENTIFY

TRANSLATE with eTranslation



兄)

(唱)

INVOICE with **eInvoicing**



SIGN with **eSignature**



EXCHANGE with eDelivery

SOCIETAL CHALLENGES

Small businesses could save €9.000 per market on legal and translation fees thanks to harmonised national laws in the EU

52% of cross-border purchases are blocked

THE DIGITAL ENTERPRISE OF THE FUTURE







5

eD

TRANSLATE

INVOICE



SIGN with **eSignature**



EXCHANGE with eDelivery

Where eIDAS plays a role

AMLD5 - Directive (EU) 2018/843

Published on OJEU on 19/06/2018

Payment Service Directive 2 - Directive (EU) 2015/2366

Commission Delegated Regulation (EU) 2018/389 – Regulatory Technical Standards for Strong Customer Authentication

Once-Only Principle cross-border

EU Regulation on Single Digital Gateway agreed on 24/05/2018

Digital on-boarding and portability of KYC

EC Expert Group on eID and remote KYC (2nd meeting held on 10 July 2018) – jointly managed by CNECT, JUST and FISMA

Company law

Proposal to amend the Directive (EU) 2017/1132 adopted by EC on 25/04/2018 as regards the use of digital tools and processes in company law

Tackling online disinformation / Fighting fake news

COM(2018) 236 final adopted on 26/04/2018

GDPR compliance

Data minimisation; use of trusted attributes, credentials and entitlements (such as age verification, proof of residence, etc.)

Audiovisual Media Service Directive

Protection of minors / Age verification and parental consent

eIDAS: BUILDING TRUST IN OUR ONLINE ENVIRONMENT




eDelivery – in a 4 corner model context









Controls linked to REQ4: Recipient/ Addressee Identification









Discussion

Lessons learned

QUESTIONS?