

# electronic invoicing Germany's re-use of UN/CEFACT and ISO standards

Standards based hybrid invoices

Presented by Jörg Walther (HoD Germany)

at 23<sup>rd</sup> UN/CEFACT Plenary Meeting

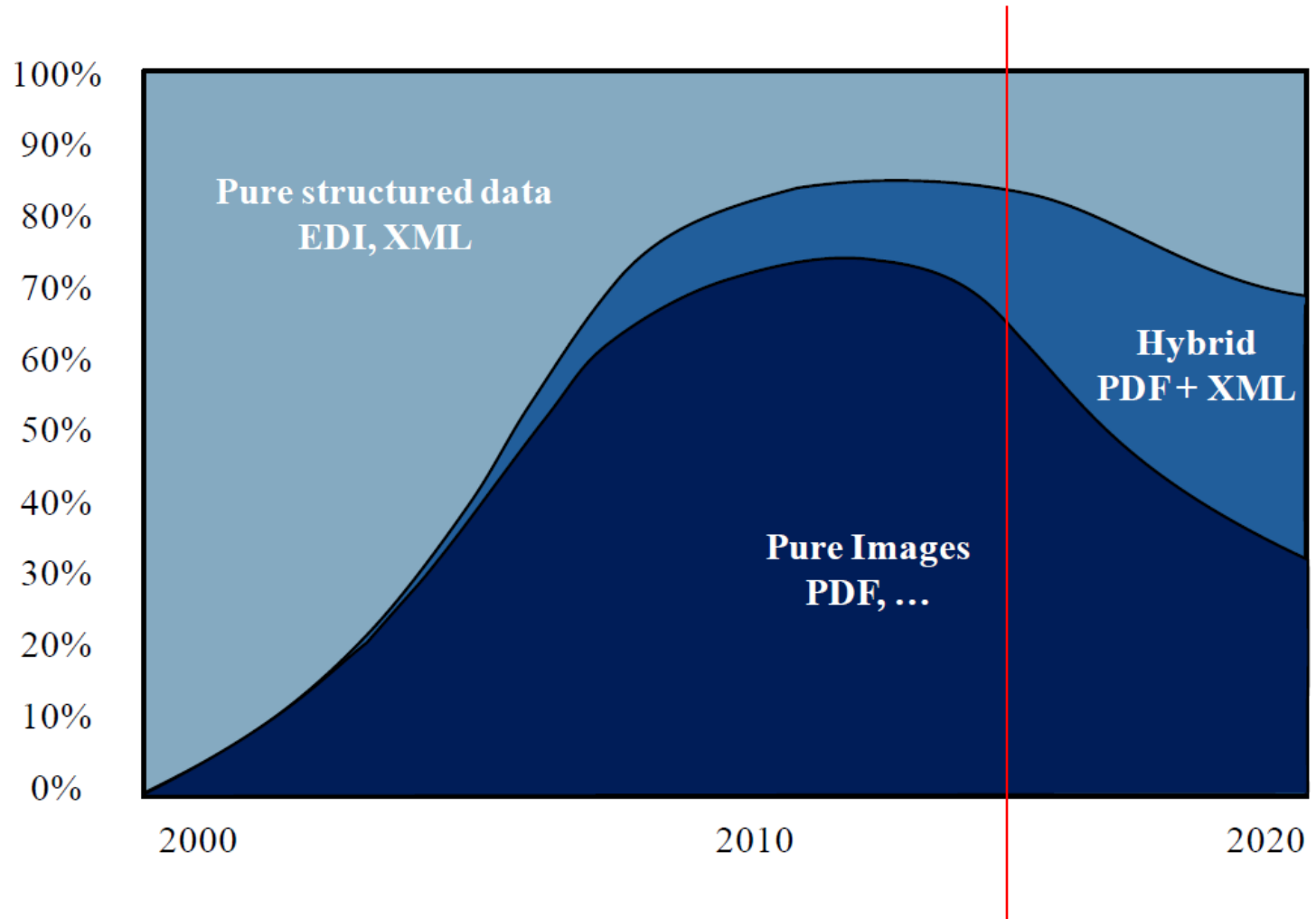
# The business case

- Electronic invoicing drives the digital transformation. Invoicing is part of many - if not all - processes of economy and public administration.
- Government and public bodies want to improve their internal processes, reduce effort and make public administration more transparent
- Specialised industry branch implementations reached their limit. A common, nation-wide or even larger approach is necessary.
- A new solution with the chance of success must pick-up all participants where they are right now. This includes SMEs and citizens.
- Without structured, standardised data the goals cannot be achieved.

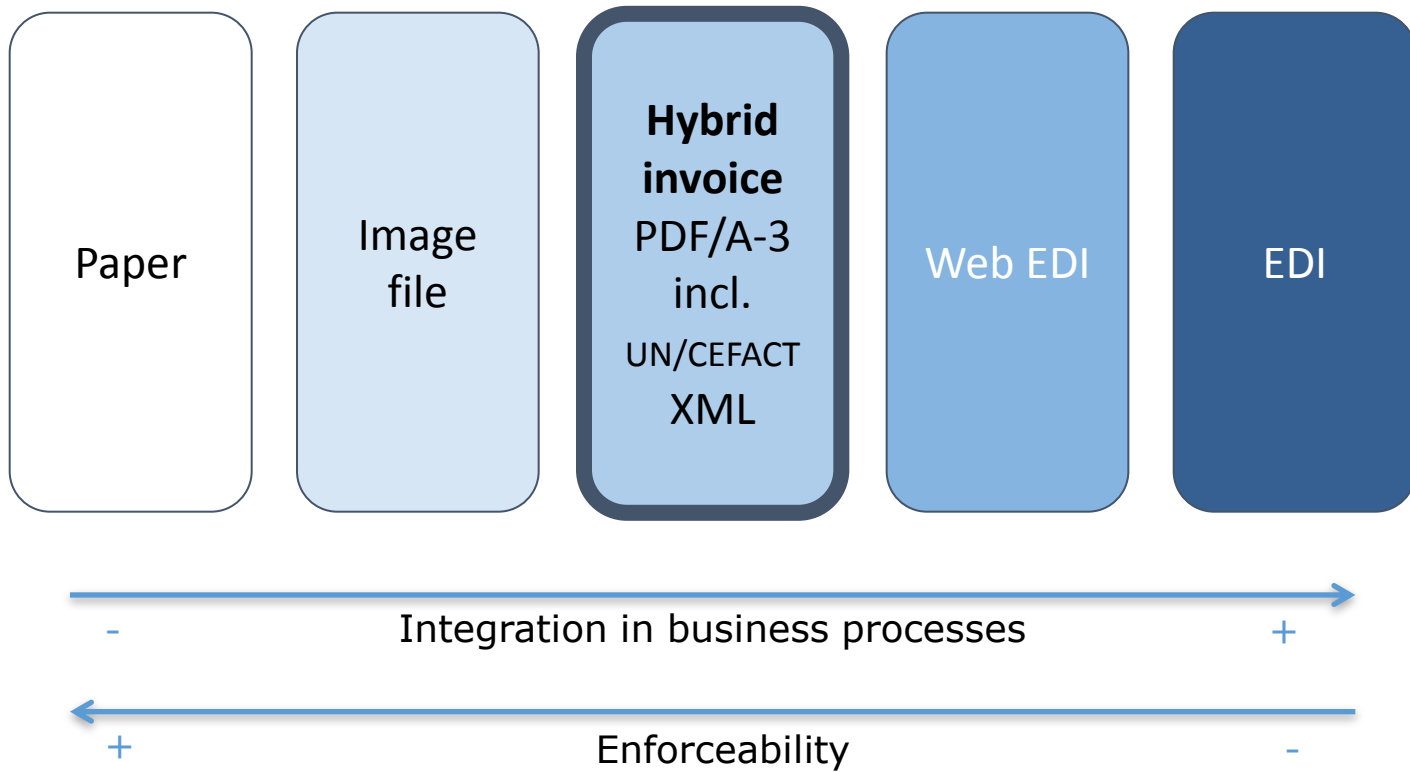
# Reasons for UN/CEFACT XML

- Based on a mature, reliable and extendable data model.
- Business requirements and experiences of many of our stakeholders were input for the Cross Industry Invoice.
- Controlled development, clear governance and release processes.
- In line with other important specifications for administration, trade and commerce – part of a framework.
- Option for future extensions in the direction of ordering and shipping processes.

# Trends, Billentis 2015



# Hybrid invoice in relation to other methods of electronic invoicing



# Where we are

- Electronic invoicing starts to fly in public administration and economy – after a long launch period.
- Hybrid invoicing is recognized as a well working solution to approach implementation on a wide and voluntary basis.
- A successful implementation can be achieved if the processes and the data are of the needed quality.

# Some figures

- Up to the end of 2016 more than 350,000 companies or persons received hybrid electronic invoices
- E.ON – Germany's largest utilities company sent out more than 1,5 million hybrid invoiced in the first three month of 2017, in both scenarios, B2B and B2C.
- More than 30 associations, 5 federal ministries and 4 universities are working together on a voluntary basis creating a common solution based on standards.

# How invoicing data are used

Rechnungsersteller  
 Lieferant GmbH  
 Lieferantenstraße 20  
 80333 München  
 Deutschland

Rechnungsempfänger  
 Kunden AG Mitte  
 Hans Muster  
 Kundenstraße 15  
 69876 Frankfurt  
 Deutschland

**FeRD**  
 Finanzwirtschaftliche  
 Rechnungsdaten

**RECHNUNG**  
 Rechnungsnummer: 471102  
 Rechnungsdatum: 05.03.13  
 Leistungsdatum: 05.03.13  
 Referenz (Bitte bei Zahlung angeben): 2013-471102  
 Kundennummer: GE2020211  
 Beträge in: EUR  
 Hinweis: Rechnung gemäß Bestellung vom 01.03.2013

Umsatz Pos. Art. Nr.	Artikelbeschreibung	Menge	Meng.-einheit	Preis/ Einheit	Betrag	USt. %
1 TB100A4	Trennblätter A4 GTIN: 4012345001235	20	Stk.	9,90	198,00	19
2 ARNR2	Joghurt Banane GTIN: 4000050986428	50	Stk.	5,50	275,00	7
Rechnungssumme Netto (excl. USt.)					473,00	
Steuerbasisbetrag USt. 7%					275,00	
Steuerbasisbetrag USt. 19%					198,00	
<b>Rechnungssumme Brutto (inkl. USt.)</b>					<b>529,87</b>	

Zahlungsinformationen  
 Zahlbar innerhalb 30 Tagen netto bis 20.03.2013, 3% Skonto innerhalb 10 Tagen bis 15.03.2013

Bank-/Steuerinformationen  
 Kontonr.: 1234 5678 90 IBAN Nr.: DE08 7009 0100 1234 5678 90  
 BLZ: 700 901 00 BIC: GENODEF1M04  
 Bankname: Hausbank München USt.-Ident.-Nr.: DE123456789  
 Steuernr.: 201/113/40209

Checking before accounting and payment

**OFFENE POSTENLISTE**

Kunde	Rechnungsnummer	Rechnungsdatum	Fällig am	Betrag	Währung	Letzte Zahlungen	Saldo
MEBOtec	Re10278	2012-12-10	2013-01-07	5.634,67	EUR	2.438,00	3.196,67
Container Service	Re10279	2012-12-13	2013-01-10	487,90	EUR	0,00	487,90
Dachbau Deter	Re10280	2012-12-19	2013-01-09	23.987,45	EUR	12.000,00	11.987,45
Zille Fliesenleger	Re10281	2012-12-27	2013-02-25	224,98	USD	0,00	224,98
KT Schulz	Re10282	2013-01-07	2013-02-06	12,87	USD	0,00	12,87
Woelk Malerbetrieb	Re10283	2013-01-18	2013-02-01	63.907,78	EUR	30.000,00	33.907,78
Nemitz Kfz-Werkstatt	Re10284	2013-01-21	2013-02-11	3.589,65	EUR	1.500,00	2.089,65

Payment

**Euro-Überweisung**

Für Überweisungen in Deutschland, in andere EU-/EWR-Staaten und in die Schweiz in Euro.  
 Bitte Möglichkeit gemäß Außenwirtschaftsverordnung beachten!

Angaben zum Begünstigten: Name, Vorname/Firma (max. 27 Stellen, bei mehrzweckiger Beschriftung max. 30 Stellen)

IBAN:

BIC des Kreditinstituts (8 oder 11 Stellen):

Betrag: Euro, Cent

Kunden-Referenznummer - Verwendungszweck, ggf. Name und Anschrift des Überweisenden - (nur für Begünstigten)

nach Verwendungszweck (Gesamt max. 2 Zeilen à 27 Stellen, bei mehrzweckiger Beschriftung max. 2 Zeilen à 35 Stellen)

Angaben zum Kontoführer: Name, Vorname/Firma, Ort (max. 27 Stellen, keine Straßen- oder Postleitzahlen)

IBAN:

BIC:

16

**SEPA**

Accounting

Abstimmsumme: 0,00 H

WKZ:  Umsatz:  BU Gegenkonto:  Belegfeld 1:  Belegfeld 2:  Datum:

Konto:  KOST1:  KOST2:  KOST-Menge:  Skonto:

Buchungstext:

⇒ Aufteilung starten ⇒ Rechnungen buchen ⇒ Zahlungen buchen ⇒ Buchungsvorschläge bearbeiten ⇒ Digitale Belege buchen



# Contribution to CEN TC 434 / EN 16931

- Background: EC assigned the tasks to CEN to develop a semantic data model of a core invoice and to propose syntax bindings – TC 434 was founded to accomplish these tasks.
- Several experts from the German forum are members of the TC or contributed as experts to its workgroups
- Based on UN/CEFACT CII data model we contributed to the core model
- Substantial input to and to the syntax bindings UN/CEFACT XML and (the optional) UN/EDIFACT.

# EN16931 in a German context

- EN16931 defines core semantic requirements on an invoice.
- Implementation by public administration and public authorities in Europe within the next three years is mandated by the EC
- Only a core model is defined
  - => More than 7 user specifications are currently being developed in several countries
  - => Extensions will be needed to the core model
  - => **Alignment of identical implementation in France and Germany in a short time frame** model
- CEN next steps: Definition of European extension artefacts (availability not before 2019).

# Summary

- The hybrid approach is a facilitator for widely adoptable electronic invoice processes on voluntary basis.
- Easy implementation, easy processing, taking SMEs' needs into account
- Paving the road for structured data, if enterprise is still using paper based processes => eases the decision making process for subsequent investments
- With UN/CEFACT SCRDM the investment is future proof.



Gefördert durch:



aufgrund eines Beschlusses  
des Deutschen Bundestages

Thank you for your attention!