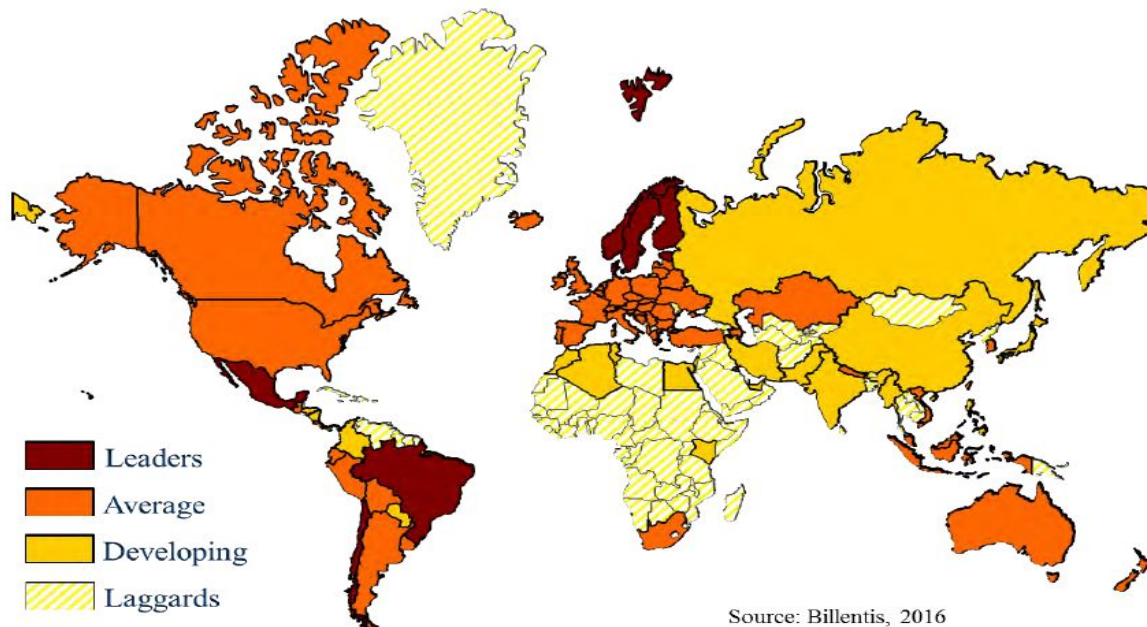


EDI and e-invoices – globally, locally



Toomas Veersoo
Chairman of Council



Source: Billentis, 2016

- Only 8% invoices globally are paper-free – huge potential
- EU level projects and initiatives
 - Harmonization and standardization
 - SEPA in 2014-2016
 - E-invoices B2G mandatory as of 2018 in all countries
 - Pan European eInvoice standard is agreed and will be mandatory for public sector 2019
- In Lithuania, waybills and invoice list are mandatory from Oct 2016
- In Estonia public sector is forcing suppliers to use e-invoices.



What does it mean?

- SEPA (Single European Payment Area) means that most ERP softwares are able to issue e-invoices
- B2G mandatory e-invoicing means that almost all companies are adopting e-documents

- Major retail chains use and promote EDI:



- Smaller retail chains also use more widely:
 - OG Elektra, RR Lektus, Comarket, Olerex, Statoil..
 - Another 1000 smaller shops/HoReCa
- And naturally their bigger and smaller suppliers
- Planning



Standards and stakeholders



- EC-multi-stakeholder forum
 - Coordinating activities in member states
- OpenPeppol – Pan European Purchasing Online
- CEN- European Standardization Committee
 - Developing e-invoicing standards
- EESPA – European e-invoicing service providers association
 - Coordinating operators cooperation

Digital Service Infrastructures (DSIs)

1. Is a part of Connecting Europe Facility (CEF)
2. Projects coordinates trans-European digital services
3. DSIs building Blocks (basic digital service infrastructures) are:
 - a. **eInvoicing**
 - b. **eDelivery**
 - c. eSignature
 - d. eId
 - e. eTranslation

- **ISO/IEC 19845 UBL 2.1**
 - Official ISO standard
 - Supported by PEPPOL
- **ISO 20022**
 - Used in financial industry
 - SEPA
- **UN/EDIFACT**
 - Widely used in supply chain
 - Too complicated for “simple” e-invoicing

European invoice standard

- Developed in European Committee for Standardization (CEN), Project **CEN/TC 434-Electronic Invoicing**
- Describes only semantical model of eInvoice
- Syntax bindings:
 - UBL 2.1 / ISO/IEC 19845:2015
 - UN/CEFACT CII

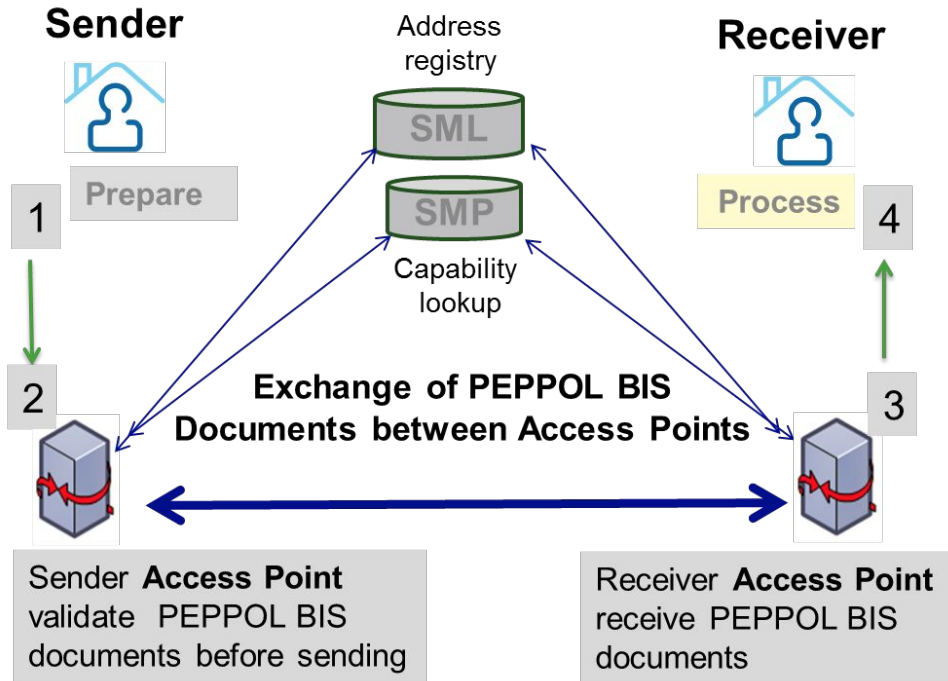
- EN 16931 - 1 – European Standard (semantics model)
- TS 16931 – 2 – Syntax list
- TS 16931 – 3/1 – Syntax binding document
- TS 16931 – 3/2 – Syntax mapping UBL 2.1 - official
- TS 16931 – 3/3 – Syntax mapping UN/CEFACT CII -official
- TS 16931 – 3/4 – Syntax mapping EDIFACT - optional
- TR 16931 - 4 – Transmission guidelines
- TS 16931 – 5 – Extension methodology - How to describe extensions if needed
- TR 16931 – 6 – Testing results

eInvoice standardization timeline

- Invoice core model was approved in CEN project meeting at 12. October 2016.
- Final Vote on Invoice Core Model & List of Syntaxes is finished
 - The EN 16931-1 (invoice core model)
 - The CEN/TS 16931-2 (list of syntaxes)
- Publication in OJEU-s (Official Journal of the European Union) in 2 month
- Will be mandatory for public sector to implement after 18 month after publication in OJEU

- **Telema eDoc** (for trade documents)
 - more than 16 documents (invoice, order, despatch advice, ...) defined
 - used in retail sector
 - native XML
- **Estonian e-invoice**
 - national standard used only inside Estonia
- ISO 20022 - SEPA
- Other international standards for cross-border transactions

Openpeppol (eDelivery)





Telema

Right e-document, right time, right place.

THANK YOU!



www.telema.com