

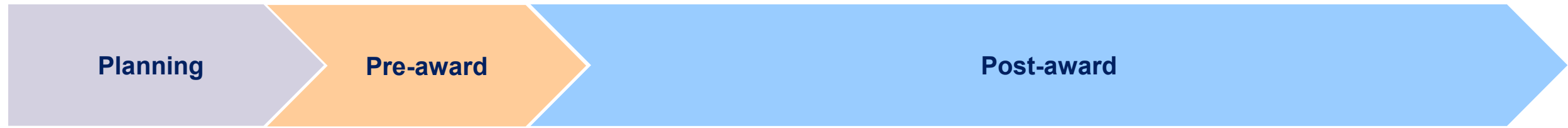
Nordic Smart Government & Business

Digital Business documents –
a smoother, safer and more
effective cross border trade

Agenda:

- Catalogue pilot
- Ordering pilot
- Invoice pilot
- eReceipt pilot
- Findings and conclusion from the pilots

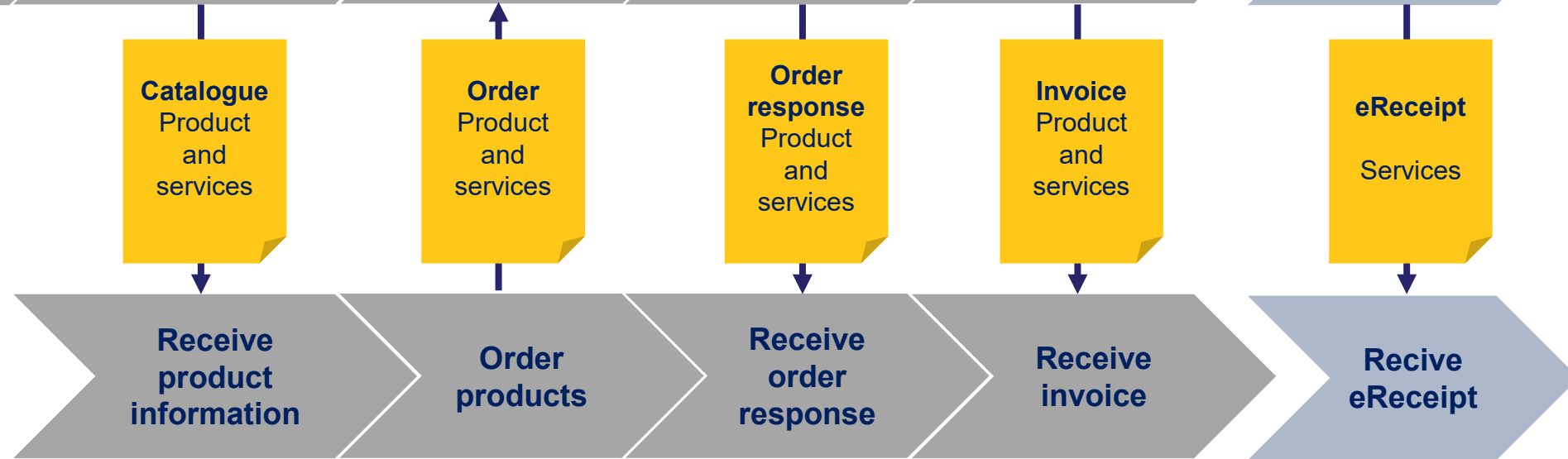
eProcurement landscape- NSG&B deliverables



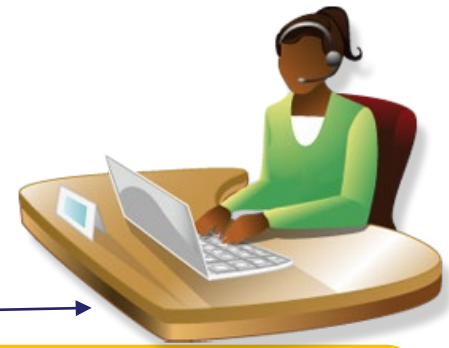
SME: Seller/Supplier



SME: Buyer-privat/public



What is a standard format



Instructions for service providers (ERP) how to implement information elements

Home / EHF Catalogue 3.0

BIS Catalogue 3.0

Documentation	Implementation Guideline
	Release 2020-06-10 Release notes describing changes related to EHF Post-Award G3 in release '2020-06-10'.
	Changelog
Syntax	BIS Catalogue 3.0
	BIS Catalogue Response 3.0
Rules	BIS Post-Award Common 3.0 Common rules for most transactions part of EHF Post-Award G3.
	Business rules for EHF Catalogue 3.0
	Basic rules for EHF Catalogue 3.0 Automatically generated rules to validate document instances of EHF Catalogue 3.0.
	Basic rules for EHF Catalogue Response 3.0 Automatically generated rules to validate document instances of EHF Catalogue Response 3.0.
Code lists	Catalogue Action code, header level (openPEPPOL)
	Catalogue Action code, line level (openPEPPOL)
	Electronic Address Scheme (EAS)
	Packaging level code (GS1 7009)
	ICD list (ISO 6523)
	Country codes (ISO 3166-1:Alpha2)
	...

Explanation of special fields and how they are implemented in a system

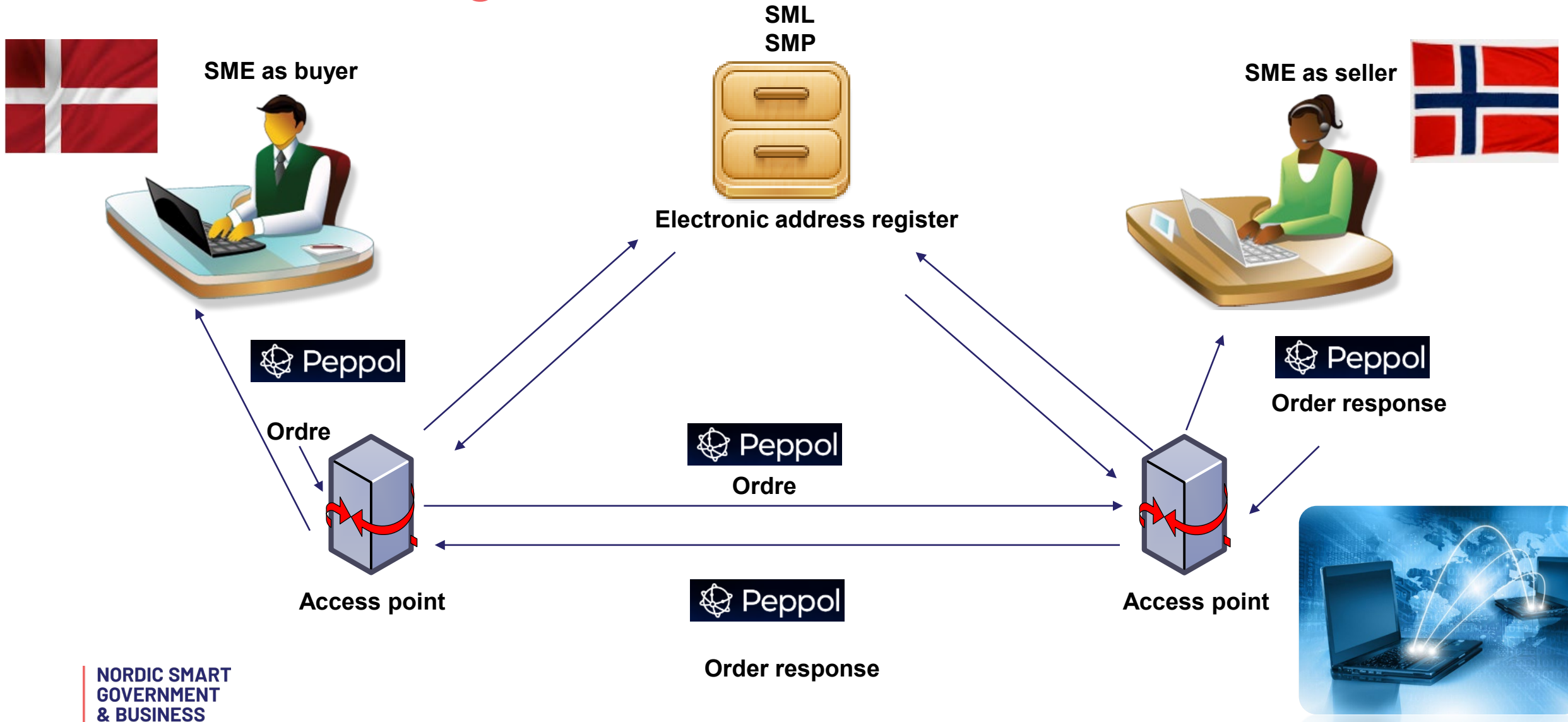
How the information is organized so that systems can read it

Rules for how the information is organized and whether it is mandatory or optional

Code lists to describe properties of the product or service, such as color, packaging unit or different types of allergens

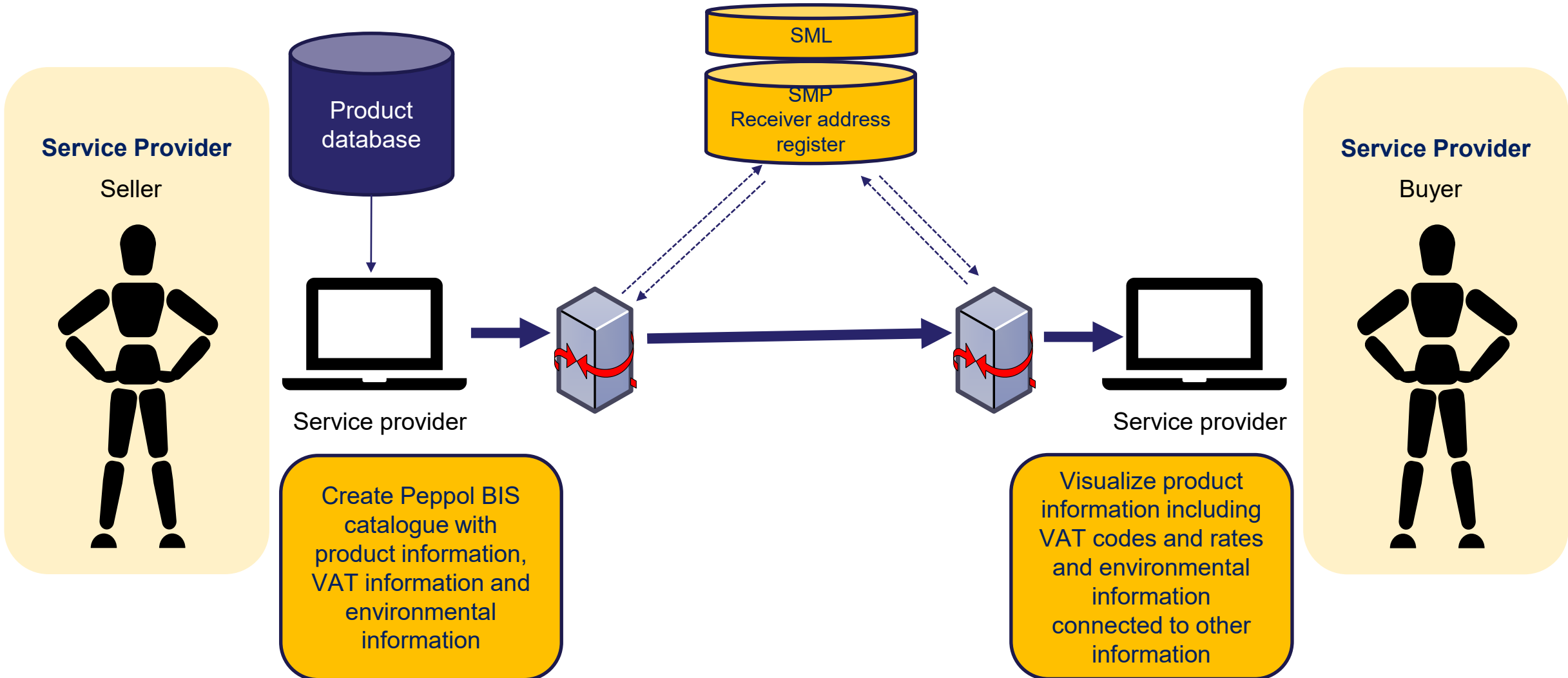
Example file

What is a standard way of sending information without one-to-one integrations

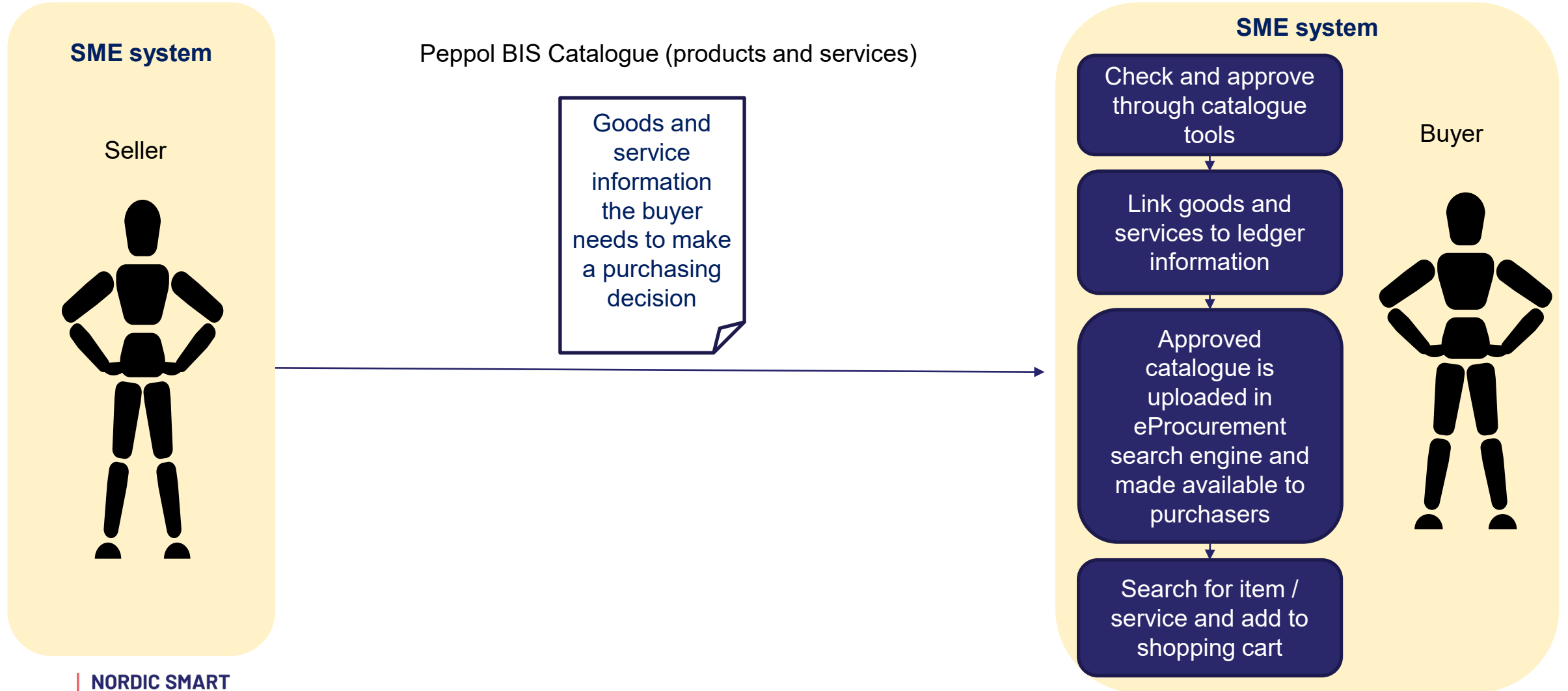


Catalogue pilot

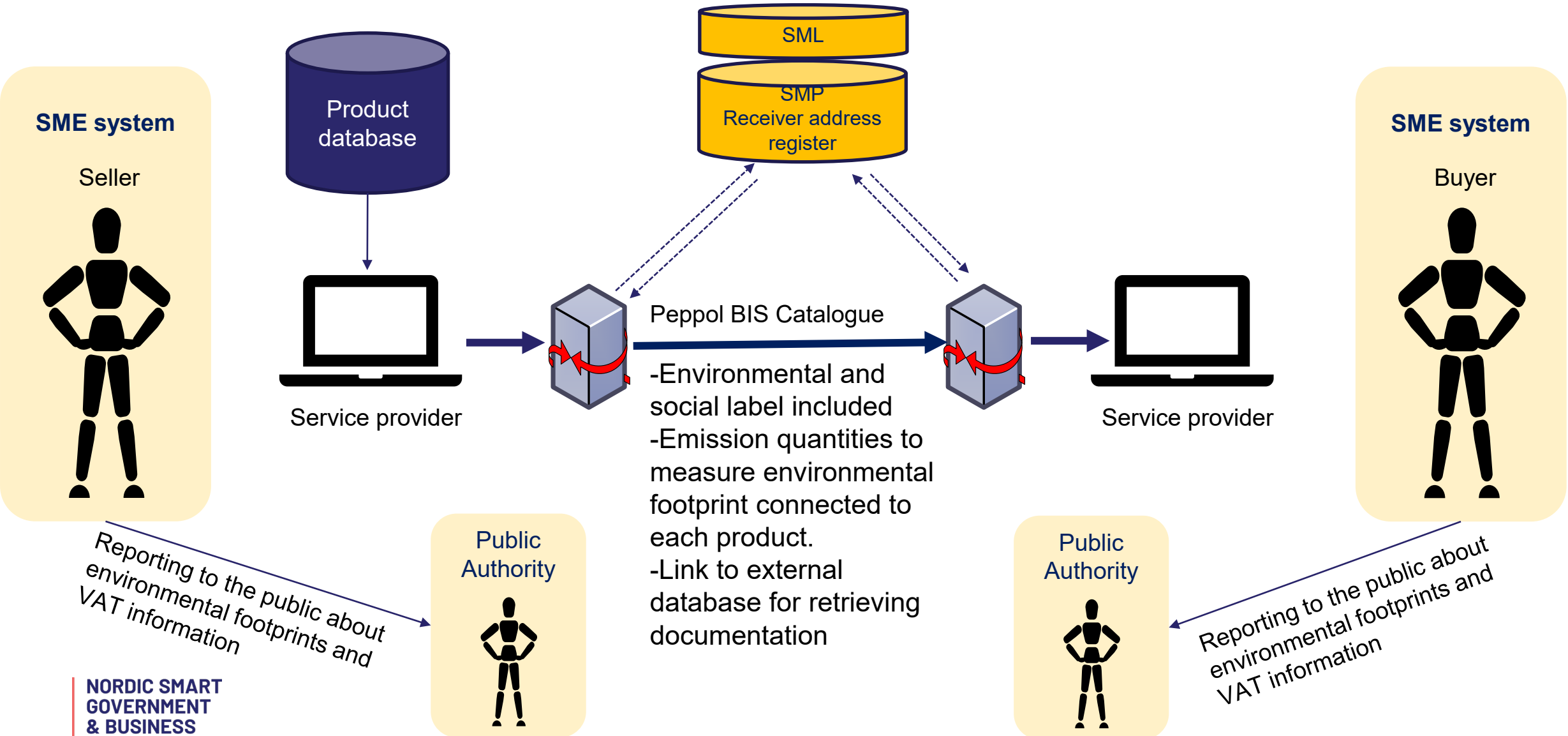
Increase quality in your communication with your customers



Process activities



Possibility to report VAT and environmental information based on catalogue information



Include environmental information (labels) in the catalogue

Example:

```
<cac:Certificate>
  <cbc:ID>EU Ecolabel</cbc:ID>
  <cbc:CertificateTypeCode>NA</cbc:CertificateTypeCode>
  <cbc:CertificateType>Environmental</cbc:CertificateType>
  <cac:IssuerParty>
    <cac:PartyName>
      <cbc:Name>NA</cbc:Name>
    </cac:PartyName>
  </cac:IssuerParty>
</cac:Certificate>
```

Home / Code lists / PackagingMarkedLabelAccreditationCode

PackagingMarkedLabelAccreditationCode

Identifier	PackagingMarkedLabelAccreditationCode
Agency	GS1
Version	9
Usage	/ ubi:Catalogue / cac:CatalogueLine / cac:Item / cac:Certificate / cbc:CertificateTypeCode / ubi:Catalogue / cac:CatalogueLine / cac:Item / cac:Certificate / cbc:CertificateTypeCode
Codes	<p>3PMSF Three-peak mountain snowflake (3PMSF) "A three-peak mountain snowflake (3PMSF) symbol branded on a tire's sidewall indicates the tire meets required performance criteria in snow testing to be considered severe snow service-rated. Originally used as a designation for winter tires, the 3PMSF symbol is now featured on some all-season and all-terrain tires with snow performance that meets the testing criteria. (UNECE Regulation 117, (EC) 661/2009)"</p> <p>AGRICULTURE_BIOLOGIQUE Agriculture Biologique France's national logo for organic products since 1985. Organic products carrying the logo must contain more than 95 percent organic components and be produced or processed within the EU, and were certified by one of the inspection bodies accredited according to EN 45011.</p> <p>AISE_2020_BRAND The A.I.S.E. 2020 mark for brands The new mark certifies that your brand meets all Charter product sustainability standards, in addition to the manufacturing requirements (ISO 14025 standard for Type III environmental labels and declarations).</p> <p>AISE_2020_COMPANY The A.I.S.E. 2020 mark for companies This new mark certifies that your organisation meets the Charter company sustainability standards in their manufacturing facilities (ISO 14025 standard for Type III environmental labels and declarations).</p> <p>ALENTEJO_SUSTAINABILITY_PROGRAMME Wines of Alentejo Sustainability Programme The purpose of the WASP (Wines of Alentejo Sustainability Programme) is to align the sector's competitiveness with environmental, economic and social objectives, thus creating opportunities based on an integrated and sustainably oriented strategy. The certification of sustainable wine production is the guarantee that an independent evaluation, by a third party credentialed according to the Portuguese Quality System, confirms that good sustainability practices have been implemented. It is an important source of information to assess, guarantee and improve the environmental and socio-economic conditions of the industry.</p> <p>BEE_FRIENDLY Bee friendly The goal of the bee friendly label is to promote the agricultural techniques which are not harmful to bee and other pollinators.</p> <p>100_PERCENT_CANADIAN_MILK 100_PERCENT_CANADIAN_MILK The use of a "100% Canadian Milk" or "100% Canadian Dairy" claim, with or without logos, vignettes etc., when used on dairy products, indicates all of the dairy ingredients in the product are derived from Canadian sources.</p> <p>100_PERCENT_VEGANSKT 100% Veganskt 100% Veganskt (Vegan) is certified by Djurens rätt (Animal rights) and shows that the product does not contain animal ingredients.</p> <p>ACHI Art And Creative Materials Institute, Inc. Art And Creative Materials Institute, Inc.</p> <p>ADCCPA ADCCPA</p>

Include environmental information (labels) in the catalogue

GS1 environmental, social and ecological labels

GS1 Global Data Dictionary

GDD Home > Code List Details

GDD Home Business Message Standard GDD Search This Site: GDD Home Search Help

Code Lists 3.x GDD Code Lists - List Code Values

Downloadable XML File

urn:gs1:gdd:cl:PackagingMarkedLabelAccreditationCode

Code List : **PackagingMarkedLabelAccreditationCode**

Definition : A marking, on a label, that the trade item received recognition, endorsement, certification by following guidelines by the label issuing agency. This does not represent regulatory labels like CE, 3.

Domain : **GDSN**

Status : **CURRENT**

Publication Date : 09 February 2022

External Link :

Selected version : 12

Code Value	Name	Definition	Change Date	Version	Status
100_PERCENT_CANADIAN_MILK		The use of a "100% Canadian Milk" or "100% Canadian Dairy" claim, with or without logos, vignettes etc., when used on dairy products, indicates all of the dairy ingredients in the product are derived from Canadian sources.	26 May 2015	2	CURRENT
100_PERCENT_VEGANSKT	100% Vegansk	100% Vegansk (Vegan) is certified by Djurens rätt (Animal rights) and shows that the product does not contain animal ingredients.	23 January 2020	10	CURRENT
ACMI	Art And Creative Materials Institute, Inc.	Art And Creative Materials Institute, Inc.	26 May 2015	2	CURRENT
ADCCPA	ADCCPA	The ADCCPA is a non-profit association established in 1995, for the development of food product conformity certification. It manages the "CQ - Certified Product" logo, identifying the Product Conformance Certification (CCP) approach.		9	
AFIA_PET_FOOD_FACILITY	AFIA Pet Food Facility	AFIA Pet Food Ingredient Facility Certification Program is launched by the American Feed Industry Association and administered by the Safe Quality Food Institute (SQFI). The program builds upon the domestic Safe Feed/Safe Food program, but is designed to meet the safety issues specifically related to the manufacturing of pet food.		6	CURRENT
AGENCE_BIO		The BIO Agency is a public interest group whose mission is to develop and promote organic agriculture.	26 May 2015	2	CURRENT
AGRI_CONFIANCE	AGRI Confiance	Where do the food products come from? How and by whom are they produced? Are they respectful of the environment? It is to answer all these questions that Agri Confiance® was created in 1992. A collective approach of the producers organized in cooperative, engaged for a sustainable agriculture and for each one of us. A controlled engagement. An ambition. A movement. For there to be trust between us.		9	
AGRICULTURE_BIOLOGIQUE	Agriculture Biologique	France's national logo for organic products since 1985. Organic products carrying the logo must contain more than 95 percent organic components and be produced or processed within the EU, and were certified by one of the inspection bodies accredited according to EN 45011.	02 April 2018	5	ARCHIVED
AHAM	Air cleaner performance standard e.g., humidifiers	The Association of Home Appliance Manufacturers (AHAM) is an organization that verifies the volume, energy and in some cases, performance, of many common household appliances. Since 1967, we've used outside laboratories to test products, and today you'll find the AHAM Verified Mark on all products included in our program - making comparing products easier for you.	25 January 2017	4	CURRENT
AISE		A.I.S.E., the international Association for Soaps, Detergents and Maintenance Products is the official representative body of this industry in Europe.	26 May 2015	2	CURRENT
AISE_2005	The International Association for Soaps, Detergents and Maintenance Products	The International Association for Soaps, Detergents and Maintenance Products: This Charter logo on a product means that the company placing this product on the market is committed to the industry Charter for Sustainable Cleaning, and that the company has successfully complied with the Charter Sustainability Procedures. Consumers and professional users who see this logo on a product can be assured that the company making this product is voluntarily committed to delivering continual improvements in safety, environmental friendliness and other key aspects of sustainability. Only those companies that have signed up to the Charter, and meet the licensing conditions, are permitted to use it.	26 May 2015	2	CURRENT
AISE_2010		The International Association for Soaps, Detergents and Maintenance Products This logo will certify that the company which manufactured the product is following Charter update 2010 sustainability principles.	26 May 2015	2	CURRENT
AKC_PEACH_KOSHER	Atlanta Kashrus Commission Certification	Atlanta Kashrus Commission Certification		6	CURRENT
		"The "childhood food" symbol guarantees that the product complies with French and European regulatory requirements. In addition to perfectly meeting the special nutritional		09	

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<http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PackagingMarkedLabelAccreditationCode&release=12>

Include environmental information (A1-A3- CO2) in the catalogue

cac:AdditionalItemProperty					
			Office table	Paint	Gravel
1..1	cbc:Name	Item property name The name of the property. The name must be sufficiently descriptive to define the value. The definition may be supplemented with the property unit of measure when relevant. Example value: Size	Global warmig potential as defined using PCRs EN 15804:2012+A1:2013 & NPCR 026:2018 Part B	Global warmig potential as defined using PCRs EN 15804:2012+A1:2013 & IBU PCR part B for coatings with organic binders	Global warmig potential as defined using PCRs EN 15804:2012+A1:2013 & NPCR Part A: Construction products and services. Ver. 1.0.
0..1	cbc:NameCode	Item property code Code for the item property according to a property code system.	GWP	GWP	GWP
1..1	cbc:Value	Item property value The value of the item property. Example value: XXL	1,20E+02	1,65E+00	1,71E+00
0..1	cbc:ValueQuantity	Item property unit of measure The unit of measure in which the property value is stated, if relevant. May not be relevant when properties are descriptive. Example value: 5	kg CO2 -eq	kg CO2 -eq	kg CO2 -eq
	Attributes: @unitCode	Value quantity unit of measure The unit of measure that applies to the value quantity. Example value: XCS	H87	KGM	KTN
			piece A unit of count defining the number of pieces (piece: a single item, article or exemplar).	kilogram A unit of mass equal to one thousand grams.	kilotonne

Include environmental information in the catalogue

Include links to an external data base that can be a machine-readable EPD or environmental product certificate that can download environmental information

cac:ExternalReference

Namespace `cac` urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-2

Child elements

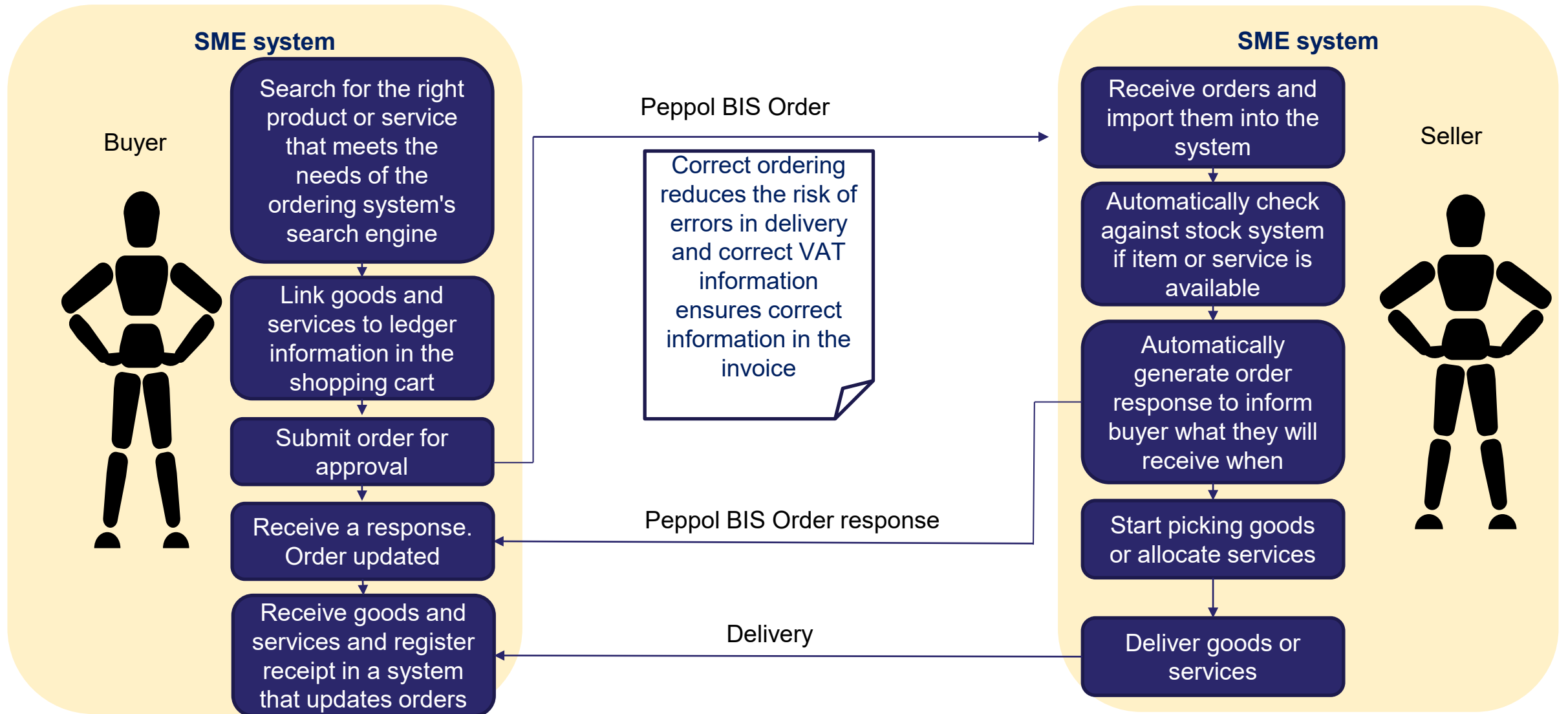
Card	Name	Description
1..1	<code>cbc:URI</code>	External item specifications <i>URI reference to external item information or specifications. E.g. web address</i> Example value: <code>http://www.test.no/image.jpg</code>

Rules

Identifier/Error message	Flag
<code>PEPPOL-T19-B20201</code> Element 'cbc:URI' MUST be provided.	fatal
<code>PEPPOL-T19-B20202</code> Document MUST NOT contain elements not part of the data model.	fatal

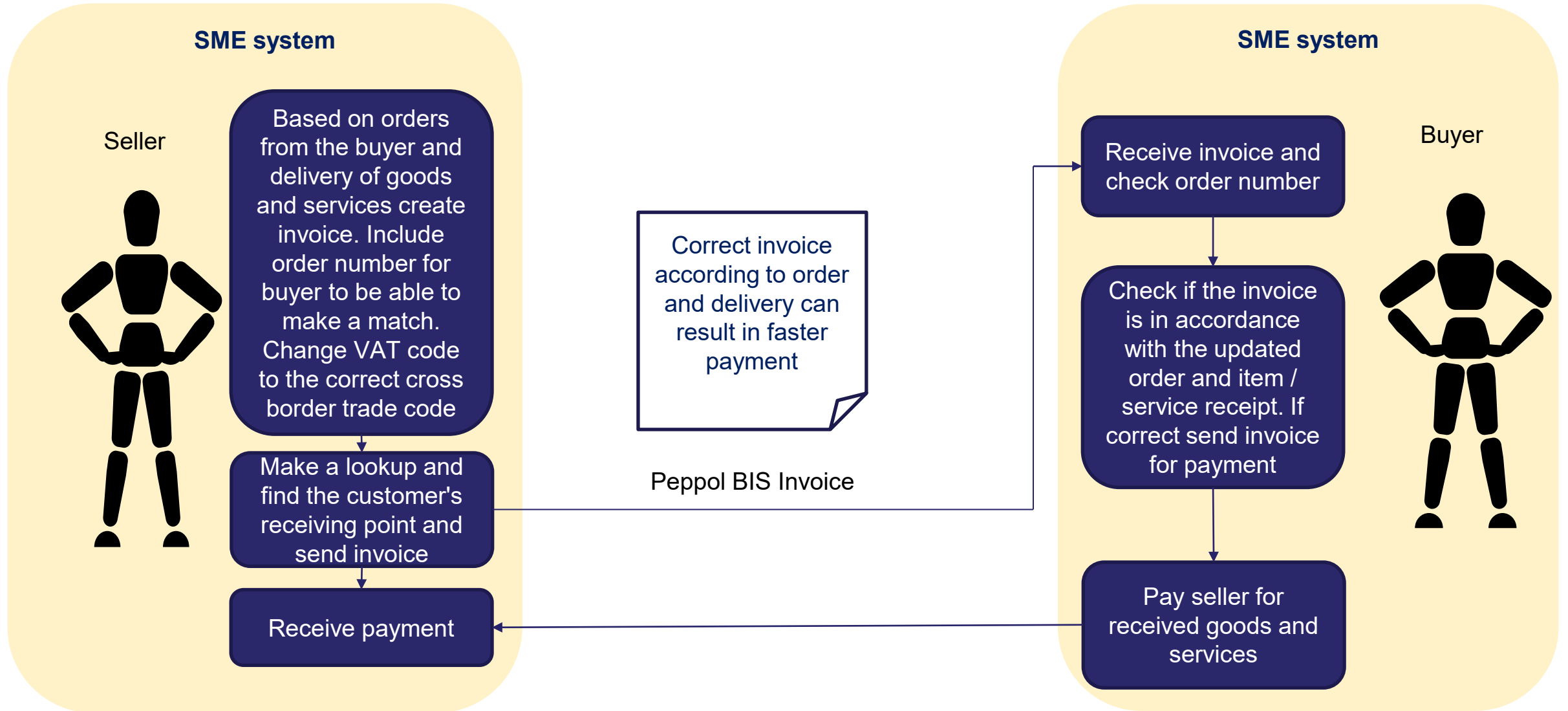
Ordering pilot

Process activities



Invoice pilot

Process activities

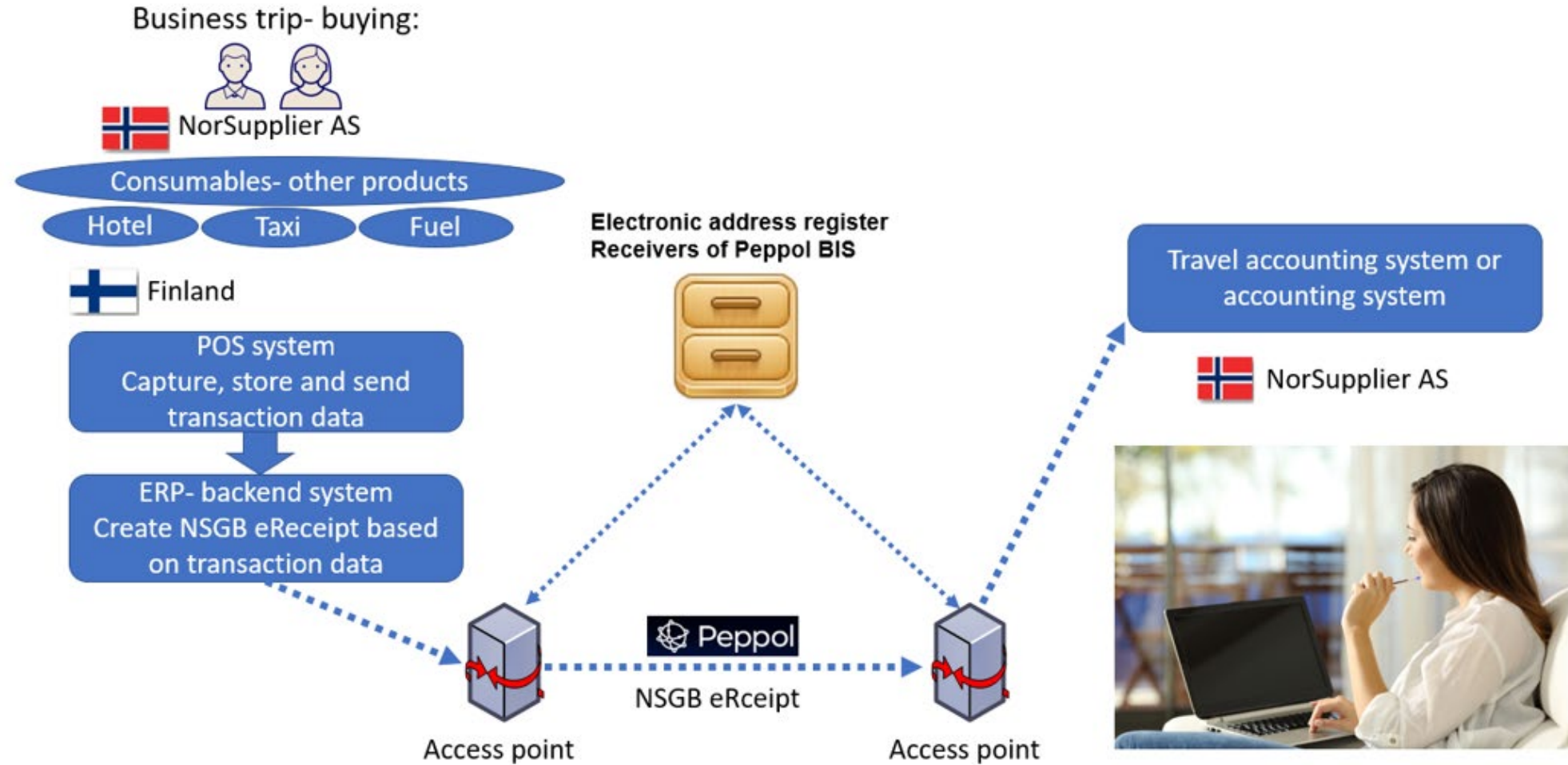


eReceipt pilot

eReceipt use cases



eReceipt use cases



NSG&B specifications created to support the pilots

NORDIC SMART GOVERNMENT & BUSINESS

About NSG News

Home / Solution areas / Digital business documents and Product information / Guidelines and specifications

Guidelines and specifications

Here you will find various guidelines and specifications intended to streamline SEM's processes and increase the quality of the information

VAT guideline cross border transactions →

VIDA report specification →

eReceipt specification →

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Nordic Innovation

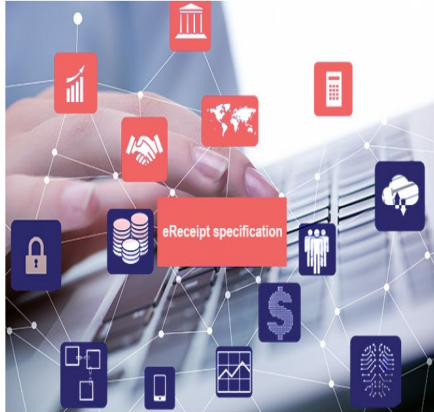
Langelinie Allé 17
2100 Copenhagen, Denmark

News and newsletter →
Cookies →
Accessibility Statement (Danish) →
Privacy notice →

Contact

eReceipt specification

The eReceipt specification is designed for use in pilot transactions carried out between systems that are responsible for payment transactions and recipients of digital systems such as travel accounts or invoice systems.



Here you find the NSGB eReceipt specification used in the eReceipt pilot. NSGB eReceipt is based on Peppol BIS billing 3.0 with the use of additional item properties to include eReceipt-specific information. In the future, there will be a separate eReceipt specification that can be used in the Peppol Network or in other forms of transactions, such as wallet technology.

Download the Pilot eReceipt specification draft BIS (pdf) →

Read the eReceipt - user story →

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NSG&B BIS eReceipt Version 1.0

Date: 11. January 2023

Example of an eReceipt in the recipient's travel system

Eye-share AS

Maskinveien 15
4033 Stavanger
Foretaksregisteret : 920775543

Leveranse

Maskinveien 15
4033 Stavanger
Leveringsdato : 10.04.2023

MVA GRUNNLAG	MVA	MVA BELØP
18,18	10 %	1,82
	SUM Mva	1,82

SUM	VALUTA	BELØP
Sum linjer	EUR	18,18
+ Sum mva	EUR	1,82
= Totalbeløp	EUR	20,00

State Treasury

PL 14
00054 VALTIOKONTTORI
Foretaksregisteret : 0245440-1
Tlf: 0295 50 2000

Faktura

Fakturanummer : 5010001101
Fakturadato : 10.04.2023
Ordrenummer :
Deres referanse : Testreference
Kundenummer : NO920775543

BETALINGSINFORMASJON

Beløp : 20,00
Valuta : EUR
Forfallsdato : 10.05.2023
KID : **** 3961
Bankkonto/IBAN : FI4180001900003337
Swift/BIC : DABAFIHH

Betalingsbetingelser

Card

Notat

Intra-Community Supply Reminder payment 5 euro Please, quote our reference number when paying.

ARTIKKEL	ORDREREF.	ANTALL	ENHET	ENHETSPRIS	NETTOBELØP	MVA	BRUTTOBELØP
221203624137	Taksi Hatanpäänvaltatie 15, Tampere - Flinlaysoninkatu 2, Tampere	1	EA	18,18	18,18	10%	20,00
				SUM Linjer	18,18		

Pilot focus on possibilities for environmental footprint reporting

```
▼<cac:AdditionalItemProperty>  
  <cbc:Name>CreditCardTransactionID</cbc:Name>  
  <cbc:Value>CCtxad1177to</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>PaymentTransactionID</cbc:Name>  
  <cbc:Value>PPtxad1177to</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>POSReceiptTransactionID</cbc:Name>  
  <cbc:Value>PRtxad1177to</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>TransactionDescription</cbc:Name>  
  <cbc:Value>CompanyDeal</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>CompanyName</cbc:Name>  
  <cbc:Value>Fyrtårn Taxi</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>LicensePlate</cbc:Name>  
  <cbc:Value>DK-ST47212</cbc:Value>  
</cac:AdditionalItemProperty>
```

We see that the reporting requirement to achieve environmental footprint targets will increase in the time to come.

It is therefore important, on the semantic level, include fields that facilitate the possibility for more automated reporting in the future

By documenting the car's number plate, we can analyze whether the car is an electric, hybrid or uses petrol or diesel

Pilot focus on possibilities for environmental footprint reporting

```
▼<cac:AdditionalItemProperty>  
  <cbc:Name>DepartureLocation</cbc:Name>  
  <cbc:Value>CopenhagenAirport</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>ArrivalLocation</cbc:Name>  
  <cbc:Value>Hotel Amager</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>DigitalReceipt</cbc:Name>  
  <cbc:Value>Yes</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>CashRegister</cbc:Name>  
  <cbc:Value>765789</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>InvoiceLineVATIncluded</cbc:Name>  
  <cbc:Value>70.00</cbc:Value>  
</cac:AdditionalItemProperty>  
▼<cac:AdditionalItemProperty>  
  <cbc:Name>WorkstationID</cbc:Name>  
  <cbc:Value>XSA765789</cbc:Value>  
</cac:AdditionalItemProperty>
```

By using departure and arrival location, distance can be measured and input to fleet management systems can provide optimization and efficiency

Pilot focus on possibilities for environmental footprint reporting

```
▼<cac:InvoiceLine>
  <cbc:ID>2</cbc:ID>
  <cbc:InvoicedQuantity unitCode="EA">12</cbc:InvoicedQuantity>
  <cbc:LineExtensionAmount currencyID="DKK">504</cbc:LineExtensionAmount>
  ▼<cac:Item>
    <cbc:Name>Standard daytime trip</cbc:Name>
    ▼<cac:ClassifiedTaxCategory>
      <cbc:ID>5</cbc:ID>
      <cbc:Percent>25</cbc:Percent>
      ▼<cac:TaxScheme>
        <cbc:ID>VAT</cbc:ID>
      </cac:TaxScheme>
    </cac:ClassifiedTaxCategory>
    ▼<cac:AdditionalItemProperty>
      <cbc:Name>TripLengthKm</cbc:Name>
      <cbc:Value>12</cbc:Value>
    </cac:AdditionalItemProperty>
    ▼<cac:AdditionalItemProperty>
      <cbc:Name>TripDuration</cbc:Name>
      <cbc:Value>10.10</cbc:Value>
    </cac:AdditionalItemProperty>
    ▼<cac:AdditionalItemProperty>
      <cbc:Name>SavedCarbonFootprintCO2e</cbc:Name>
      <cbc:Value>120</cbc:Value>
    </cac:AdditionalItemProperty>
    ▼<cac:AdditionalItemProperty>
      <cbc:Name>InvoiceLineVATIncluded</cbc:Name>
      <cbc:Value>630.00</cbc:Value>
    </cac:AdditionalItemProperty>
  </cac:Item>
  ▼<cac:Price>
    <cbc:PriceAmount currencyID="DKK">42</cbc:PriceAmount>
    <cbc:BaseQuantity unitCode="EA">1</cbc:BaseQuantity>
  </cac:Price>
  ..
  ..
  ..
```

The option to enter the number of kilometers driven as pure values will allow for analysis. Some systems also operate with values for Carbon Footprint

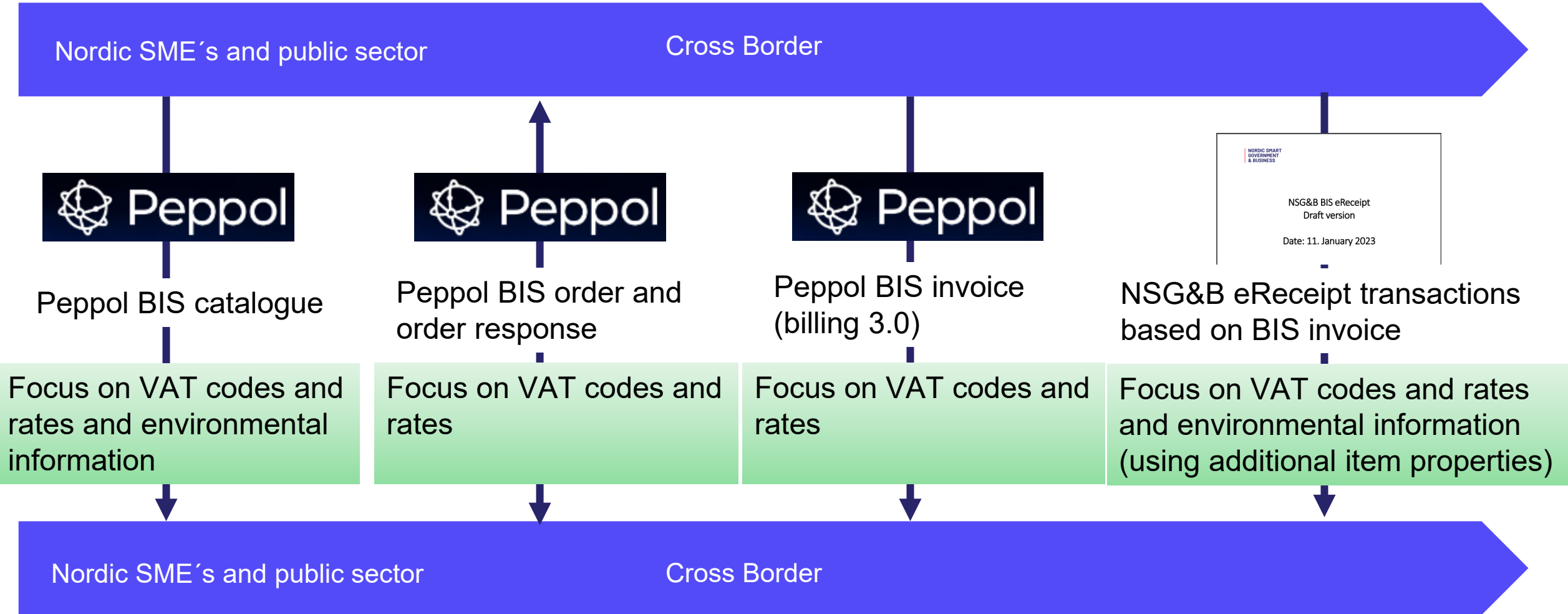
Benefits for buyer and seller:

Benefits for buyer and seller:

- With digital processes, efficiency and quality will increase for both buyer and seller
- Makes it easy to control products and prices according to contract.
- Environmental and social responsibility information, in the digital process, will make it easier for buyer and seller to follow up requirements in the contract and report.
- Easier to control of VAT codes and rates in all transactions to secure good quality
- Digital processes will increase the quality of reporting.
- Effective auditing.
- Easier to analyze purchases and sales by using standards and standard classification.
- Reduce the possibility of incorrect ordering.
- Based on machine readable data, the buyer can process the invoice automatically.
- Possibility to reduce the risk of fraud

Findings and conclusion from the pilots

SA-A Digital Business Documents & Product Information



It is possible to include environmental information in transaction domestic and cross border

Based on the findings, SA-A has produced a paper as a guide on cross border VAT codes and rates

Seminar 22nd of October

Questions?

