



# Specification



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## PEPPOL Transport Infrastructure ICT - Models

### Policy for use of Identifiers



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2.2	2012-03-20	Some clarifications and spelling errors fixed Updated all code lists Updated document to new layout Changed "document identifier" to "document type identifier"	PH/BS

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# 1 Introduction

## 1.1 Audience

This document describes a PEPPOL policy and guidelines for use of identifiers within the PEPPOL network. The intended audience for this document are organizations wishing to be PEPPOL enabled for exchanging electronic invoices, and/or their ICT-suppliers. More specifically it is addressed towards the following roles:

- ▶ ICT Architects
- ▶ ICT Developers
- ▶ Business Experts

## 1.2 Implementation and support

PEPPOL has set up the PEPPOL Enterprise Interoperability Architecture (EIA) – that presents the PEPPOL artefacts in a repository. The EIA repository is a three dimensional matrix for organizing results of the project. The PEPPOL EIA is a 3 dimensional cube you can navigate by clicking a one of the blue cell in the frame. For more information about the PEPPOL EIA, see [PEPPOL\_EIA].

The latest version of this document can be found at: Transport Infrastructure / ICT Architecture / Models.

## 1.3 References

[PEPPOL]	<a href="http://www.peppol.eu/">http://www.peppol.eu/</a>
[PEPPOL_EIA]	<a href="http://www.peppol.eu/peppol_components/peppol-eia/eia">http://www.peppol.eu/peppol_components/peppol-eia/eia</a>
[PEPPOL_PostAward]	<a href="http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/post-award-e-procurement/models">http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/post-award-e-procurement/models</a>
[PEPPOL_Transp]	<a href="http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/transport-infrastructure/models">http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/transport-infrastructure/models</a>
[CEN_BII]	<a href="http://www.cen.eu/cwa/bii/specs">http://www.cen.eu/cwa/bii/specs</a>
[CEN_BII2]	<a href="http://www.cenbii.eu">http://www.cenbii.eu</a>
[ISO 15459]	<a href="http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=51284">http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=51284</a> <a href="http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=43349">http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=43349</a>
[ISO 9735 Service Code List (0007)]	<a href="http://www.gefeg.com/jswg/cl/v41/40107/cl3.htm">http://www.gefeg.com/jswg/cl/v41/40107/cl3.htm</a>
[ISO 6523]	<a href="http://www.iso.org/iso/catalogue_detail?csnumber=25773">http://www.iso.org/iso/catalogue_detail?csnumber=25773</a>
[OASIS UBL]	<a href="http://docs.oasis-open.org/ubl/os-UBL-2.0/UBL-2.0.html">http://docs.oasis-open.org/ubl/os-UBL-2.0/UBL-2.0.html</a> <a href="http://docs.oasis-open.org/ubl/os-UBL-2.0.zip">http://docs.oasis-open.org/ubl/os-UBL-2.0.zip</a>
[OASIS ebCore]	<a href="http://docs.oasis-open.org/ebcore/PartyIdType/v1.0/CD03/PartyIdType-1.0.html">http://docs.oasis-open.org/ebcore/PartyIdType/v1.0/CD03/PartyIdType-1.0.html</a>
[UN/CEFACT]	<a href="http://www.unece.org/cefact/">http://www.unece.org/cefact/</a>

## 2 Introduction to identifiers

Identifiers are information elements that establish the identity of objects, such as organizations, products, places, etc. The PEPPOL project uses many identifiers in both its transport infrastructure and within the documents exchanged across that infrastructure. Two of the significant identifiers are those for Parties (organizations, persons, etc.) and Services (business profiles, document types, etc). These are the “who” and the “what” of PEPPOL business exchanges.

This document outlines the policy for using the correct identifiers specifically for these two areas but it also introduces principles for any identifiers used in the PEPPOL environment. Implementers failing to adhere to these policies seriously jeopardize the interoperability of the information being exchanged. This policy should form a requirement of any PEPPOL participation agreements.

### 2.1 Scope

1. The policy of a federated<sup>4</sup> scheme for identifying Parties.

Parties in the BusDox infrastructure play the role of Participants. There are sender and receiver Participants in any exchange, but the BusDox Service Metadata only publishes services defined for the receiver Participant. The technical name for this identifier in BusDox is the Participant Identifier (or iso6523-actorid-upis).

Within each business document there are also Parties taking on business roles such as customer and supplier, etc. Clearly there may be relationships between these Parties and the Participant Identifier. Sometimes the Supplier Party is the receiver Participant for an Order document. Another example is that an Invoice may contain an identifier for EndpointID equates to the receiver Participant in the SMP. But neither of these are a reliable rule. BII profiles do not (deliberately) include any ‘envelope’ information linking the document content to the transport infrastructure. The relationship between identifiers within Documents and identifiers used in the transport infrastructure is not defined in the specifications.

So whilst there is a relationship between these various Parties, we have no policy on how this should be done. This policy relates to the common use of different identification schemes to identify the appropriate Party within the context required. In other words, identifiers may have different values but the method by which they are defined should be consistent.

Many schemes already exist for identifying Parties. PEPPOL has no intention of developing yet another. Our strategy is to recognize a range of different identification schemes and provide a code list of those recognized schemes based on international standards.

The policy for identifying Documents and Services used in PEPPOL implementation of the BusDox messaging infrastructure.

The BusDox infrastructure requires a Participant sending a document to identify both the receiving Participant and the service that will receive the document. They (or their Access Point provider) achieve this by searching the Service Metadata Locator (SML) to find the relevant Service Metadata Publisher (SMP) that can identify the endpoint address (NB. not the same as the Endpoint ID in the business document) within the recipient’s access point. This endpoint address is the service address where the document is accepted (AP). Therefore it is important to define precisely what documents and services can be handled by the receiving Participant.

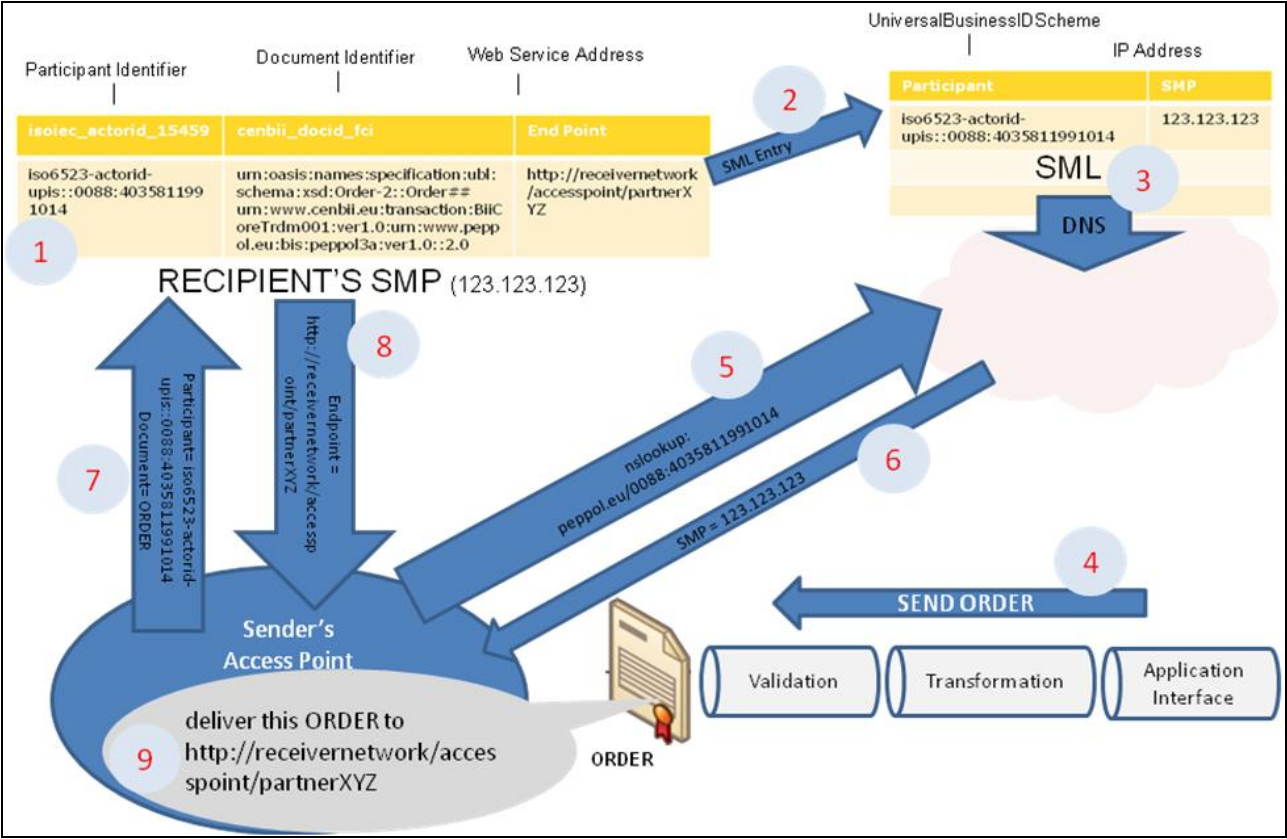
PEPPOL has set up Interoperability Specifications (BIS) based on the CEN BII specifications for business documents that can be exchanged. These can be identified by a combination of their document schema and type, BII transaction data model, and the BIS (denoting business context of use). BII

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<sup>4</sup> By federation we mean that each agency maintains their own identification schemes. Our policy recognizes and identifies these schemes and does not attempt to replicate them.

transaction model and PEPPOL BIS together form the process identifier to use. It is feasible that there may be further extensions of these for specific trading communities.

The diagram below shows the relationship of these information elements.





### 3 Policy for PEPPOL Party Identification

The following aspects are addressed in this policy:

1. The PEPPOL code list of Party Identification schemes used in BII documents.  
Note that the BII specifications (CWA 16073)<sup>5</sup> do not specify any Party Identification Schemes.
2. The PEPPOL code list of Participant Identification format schemes used in BusDox metadata.  
The PEPPOL BusDox transport Infrastructure is documented in the PEPPOL EIA, more information can be found at [PEPPOL\_Transp].

PEPPOL will not implement its own scheme for identifying Parties. Instead it will support a federated system for uniquely identifying parties following the ISO 15459 format scheme<sup>6</sup> for unique identifiers. This requires defining a controlled set of Issuing Agency Codes<sup>7</sup> (IACs) for identification schemes (also known as party identifier types<sup>8</sup> or Identification code qualifier<sup>9</sup> or International Code Designators<sup>10</sup> or Party ID Type<sup>11</sup>) required by PEPPOL implementations.

Each PEPPOL Party identifier to be used in the federated system is then a combination of the Issuing Agency Code and the value given by the Issuing Agency.

- ▶ For BusDox, it will be part of the PEPPOL SMP Provider agreement that SMP Providers have suitable governance of their identification schemes when they enter, update and delete information on their SMP.
- ▶ Within the content of business documents, each PEPPOL Participant will be responsible for using the appropriate PEPPOL Party Identifier.

This section defines the policies for the formatting and the population of values for Party Identifiers in federation used by PEPPOL.

It should be pointed out here that this policy covers only use of document's Party/IdentifierID and Party/EndpointID. Other identifiers within documents are out of scope.

#### 3.1 Format

##### POLICY 1 Use of ISO15459 encoding

Participant and Party Identifiers should adhere to ISO 15459 constraints:

- cannot be more than 50 characters long
- can only contain characters and numeric digits from the invariant character set of ISO/IEC 646 (ISO 7-bit coded character set)

Applies to: all participant/party identifiers in all components

##### POLICY 2 Use of ISO15459 structure

A Party identifier used in PEPPOL will comprise of:

- An Issuing Agency Code

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<sup>5</sup> See: [http://www.cen.eu/cwa/bii/specs/Profiles/Guidelines/BII\\_CodeLists-v1.00.xls](http://www.cen.eu/cwa/bii/specs/Profiles/Guidelines/BII_CodeLists-v1.00.xls) or [CEN\_BII]

<sup>6</sup> ISO 15459-4 Individual items, see [ISO 15459]

<sup>7</sup> ISO 15459 terminology, see [ISO 15459]

<sup>8</sup> CEN/BII terminology

<sup>9</sup> ISO 9735 Service Code List (0007) terminology

<sup>10</sup> ISO 6523 terminology

<sup>11</sup> OASIS ebCore terminology

- 157 - The value provided by the Issuing Agency  
158 Applies to: all participant/party identifiers in all components

### 159 **POLICY 3 PEPPOL identifier value casing**

- 160 All PEPPOL participant identifier values have to be treated case insensitive even if the underlying scheme  
161 requires a case sensitive value.  
162 All PEPPOL document type and process identifier values have to be treated case sensitive.  
163 Applies to: all participant/party identifiers in all components

#### 164 **Examples:**

- 165 Participant identifier value "0088:abc" is equal to "0088:ABc"  
166 Participant identifier value "0088:abc" is NOT equal to "0010:abc"

167

- 168 Document type identifier value

169 "urn:oasis:names:specification:ubl:schema:xsd:Catalogue-  
170 2::Catalogue##urn:www.cenbii.eu:transaction:biicoretrdm019:ver1.0:#urn:www.  
171 peppol.eu:bis:peppolla:ver1.0::2.0"

- 172 is NOT equal to

173 "URN:OASIS:NAMES:SPECIFICATION:UBL:SCHEMA:XSD:CATALOGUE-  
174 2::CATALOGUE##URN:WWW.CENBII.EU:TRANSACTION:BIICORETRDM019:VER1.0:#URN:WWW.  
175 PEPPOL.EU:BIS:PEPPOL1A:VER1.0::2.0"

176

- 177 Process identifier value

178 "urn:www.cenbii.eu:profile:bii06:ver1.0"

- 179 is NOT equal to

180 "URN:WWW.CENBII.EU:PROFILE:BII06:VER1.0"

### 181 **POLICY 4 Coding of Issuing Agencies**

- 182 All Issuing Agency Codes for Party Identifiers are to be taken from the normative version of the code list  
183 described in the following section.  
184 Currently this is maintained within PEPPOL but it is intended to transfer this responsibility to the CEN BII2  
185 workshop in the near future, and for long term sustainability, to a permanent standards organization. This  
186 maintenance is necessary because of the potential for growth of this code list.  
187 Applies to: all participant/party identifiers in all components

### 188 **3.2 Issuing Agency Code Values**

- 189 The values for the initial PEPPOL Issuing Agency Code list were taken from the NESUBL PartyID code list<sup>12</sup>  
190 but this has been extended to cover use by all PEPPOL pilots and includes other known Issuing Agencies  
191 (from ISO 6523<sup>13</sup>).

---

<sup>12</sup> See chapter 2.23:

<http://www.nesubl.eu/download/18.6dae77a0113497f158680002577/NES+Code+Lists+and+Identification+Schemes+-+Version+2.pdf>

192 It is significant that this list will need ongoing extension under governance procedures currently being  
193 developed (see section on Governance). To ensure sustainability and proper governance it is proposed to  
194 include only Issuing Agency Codes (IACs) in the following order of priority:

- 195 1. International recognized standard schemes, then
- 196 2. International de-facto accepted schemes, then
- 197 3. Nationally defined schemes

198 Note that BusDox uses a numeric code value for Issuing Agencies whereas CEN BII uses mnemonic values.  
199 To assist in aligning the mnemonic codes of CEN BII with the numeric codes of BusDox, each BII mnemonic  
200 code has been given a numeric equivalent based on the ISO 6523 set of International Code Designators. The  
201 actual values for numeric International Code Designators were based on the following allocation criteria:

- 202 1. ISO 6523 International Code Designator (if known), or
- 203 2. ISO 9735 Identification code qualifier (if known), or
- 204 3. An incremental number starting from 9900 (issued by PEPPOL/CEN BII)

205 Even though these numeric values are based on ISO code sets, they form a separate CEN BII code set  
206 because they contain additional values. Therefore the Issuing Agency for all numeric codes is CEN BII and  
207 not ISO 6523.

## 208 **POLICY 5 PEPPOL participant identifier scheme**

209 The PEPPOL identifier scheme for using this list of issuing agencies is:  
210 iso6523-actorid-upis

211 Note: Participant identifier, party identifier and business identifier are used interchangeable in the different  
212 PEPPOL documents.

213 Applies to: all participant/party identifiers in all BusDox components

## 214 **POLICY 6 Numeric Codes for Issuing Agencies**

215 The numeric ISO6523 code set as used in PEPPOL include additional code values not part of the official ISO  
216 6523 code set and so cannot be referred to as the official ISO 6523 code set<sup>14</sup>. The codes starting with “99”  
217 are extending this code set. For convenience the term “ISO6523” is used for all codes and indicates the  
218 origin of many code values used.

219 Applies to: all participant/party identifiers in all BusDox components

## 220 **POLICY 7 XML attributes for Participant Identifiers in BusDox**

221 The “scheme” attribute must be populated with the value “iso6523-actorid-upis” (see POLICY 5) in all  
222 instances of the “ParticipantIdentifier” element.

223 Applies to: XML documents used in the SMP

### 224 **Example:**

225 `<ParticipantIdentifier scheme="iso6523-actorid-`  
226 `upis">0088:4035811991014</ParticipantIdentifier>`

---

<sup>13</sup> See [http://en.wikipedia.org/wiki/ISO\\_6523](http://en.wikipedia.org/wiki/ISO_6523)

<sup>14</sup> ISO 6523 is currently under revision after a 25 year working period; the new version will meet requirements imposed by technological development.

## 227 **POLICY 8 XML attributes for Party Identifiers in UBL documents**

228 The “schemeID” attribute must be populated in all instances of the “ID” element when used within a  
229 “PartyIdentification” container and in all instances of the “EndpointID” element when used within a “Party”  
230 container. The valid values are defined in the code list as “schemeID”.

231 Note: the optional attributes schemeAgencyName and schemeURI can be ignored.

232 Note: the attribute “schemeID” is mandatory for PartyIdentification and EndpointID in CEN BII

233 Applies to: Document used in a PEPPOL BIS with UBL syntax mapping

### 234 **Example:**

```
235 <cac:PartyIdentification>
236   <cbc:ID schemeID="GLN">4035811991014</cbc:ID>
237 </cac:PartyIdentification>
```

238 and

```
239 <cac:Party>
240   <cbc:EndpointID schemeID="GLN">4035811991014</cbc:EndpointID>
241 </cac:Party>
```

242 The non-normative version of the Issuing Agency code values and metadata is shown in the following table.  
243 The latest normative version can be found at [PEPPOL\_PostAwar].

Scheme ID	Numerical code	Scheme agency name	Deprecated?
FR:SIRET	0002	Institut National de la Statistique et des Etudes Economiques, (I.N.S.E.E.)	false
SE:ORGNR	0007	The National Tax Board	false
FI:OVT	0037	National Board of Taxes, (Verohallitus)	false
DUNS	0060	Dun and Bradstreet Ltd	false
GLN	0088	EAN International	false
DK:P	0096	Danish Chamber of Commerce	false
IT:FTI	0097	FTI - Ediforum Italia	false
IT:SIA	0135	SIA-Società Interbancaria per l'Automazione S.p.A.	false
IT:SECETI	0142	Servizi Centralizzati SECETI S.p.A.	false
DK:CPR	9901	Danish Ministry of the Interior and Health	false
DK:CVR	9902	The Danish Commerce and Companies Agency	false
DK:SE	9904	Danish Ministry of Taxation, Central Customs and Tax Administration	false
DK:VANS	9905	Danish VANS providers	false
IT:VAT	9906	Ufficio responsabile gestione partite IVA	false
IT:CF	9907	TAX Authority	false
NO:ORGNR	9908	Enhetsregisteret ved Bronnoysundregisterne	false
<del>NO:VAT</del>	<del>9909</del>	Enhetsregisteret ved Bronnoysundregisterne	true

HU:VAT	9910		false
EU:VAT	9912	National ministries of Economy	true
EU:REID	9913	Business Registers Network	false
AT:VAT	9914	Österreichische Umsatzsteuer-Identifikationsnummer	false
AT:GOV	9915	Österreichisches Verwaltungs bzw. Organisationskennzeichen	false
AT:CID	9916	Firmenidentifikationsnummer der Statistik Austria	true
IS:KT	9917	Icelandic National Registry	false
IBAN	9918	SOCIETY FOR WORLDWIDE INTERBANK FINANCIAL, TELECOMMUNICATION S.W.I.F.T	false
AT:KUR	9919	Kennziffer des Unternehmensregisters	false
ES:VAT	9920	Agencia Española de Administración Tributaria	false
IT:IPA	9921	Indice delle Pubbliche Amministrazioni	false
AD:VAT	9922	Andorra VAT number	false
AL:VAT	9923	Albania VAT number	false
BA:VAT	9924	Bosnia and Herzegovina VAT number	false
BE:VAT	9925	Belgium VAT number	false
BG:VAT	9926	Bulgaria VAT number	false
CH:VAT	9927	Switzerland VAT number	false
CY:VAT	9928	Cyprus VAT number	false
CZ:VAT	9929	Czech Republic VAT number	false
DE:VAT	9930	Germany VAT number	false
EE:VAT	9931	Estonia VAT number	false
GB:VAT	9932	United Kingdom VAT number	false
GR:VAT	9933	Greece VAT number	false
HR:VAT	9934	Croatia VAT number	false
IE:VAT	9935	Ireland VAT number	false
LI:VAT	9936	Liechtenstein VAT number	false
LT:VAT	9937	Lithuania VAT number	false
LU:VAT	9938	Luxemburg VAT number	false
LV:VAT	9939	Latvia VAT number	false
MC:VAT	9940	Monaco VAT number	false
ME:VAT	9941	Montenegro VAT number	false
MK:VAT	9942	Macedonia, the former Yugoslav Republic of VAT number	false

MT:VAT	9943	Malta VAT number	false
NL:VAT	9944	Netherlands VAT number	false
PL:VAT	9945	Poland VAT number	false
PT:VAT	9946	Portugal VAT number	false
RO:VAT	9947	Romania VAT number	false
RS:VAT	9948	Serbia VAT number	false
SI:VAT	9949	Slovenia VAT number	false
SK:VAT	9950	Slovakia VAT number	false
SM:VAT	9951	San Marino VAT number	false
TR:VAT	9952	Turkey VAT number	false
VA:VAT	9953	Holy See (Vatican City State) VAT number	false

244 The normative form of the code list is available as a Genericode file referenced at [PEPPOL\_PostAward].

245 Note: rows marked as deprecated should not be used for newly issued documents, as the respective  
 246 identifier issuing agency is no longer active/valid. Deprecated scheme IDs may however not be reused for  
 247 different agencies as existing exchanged documents may refer to them.

#### 248 **Example1: Use in a BusDox SMP:**

249 The following example from an SMP exchange denotes that the Participant is identified using the ISO 6523  
 250 International Code Designator in the CEN BII set of Issuing Agency Codes. This in turn has a numeric value of  
 251 0088 meaning that the party has a 0088 (GLN - see above table) identifier of "4035811991014".

```
252 <ParticipantIdentifier scheme="iso6523-actorid-  
253 upis">0088:4035811991014</ParticipantIdentifier>
```

254 The following example denotes that the Participant is identified using the ISO 6523 International Code  
 255 Designator in the CEN/BII set of Issuing Agency Codes. This in turn has a numeric value of 9902 meaning  
 256 that the party has the 9902 (DK:CVR - see above table) identifier "DK87654321".

```
257 <ParticipantIdentifier scheme="iso6523-actorid-  
258 upis">9902:DK87654321</ParticipantIdentifier>
```

#### 259 **Example 2: Use in a PEPPOL BIS document using UBL syntax mapping:**

260 The following example denotes that the Issuing Agency is "GS1" in the CEN/BII set of Issuing Agency Codes  
 261 and the identifier is "GLN" (0088 - see above table). This means that the party has the GLN identifier  
 262 "4035811991014".

```
263 <cac:PartyIdentification>  
264 <cbc:ID schemeID="GLN">4035811991014</cbc:ID>  
265 </cac:PartyIdentification>
```

266 The following examples denotes that the Issuing Agency is DK:CVR in the CEN/BII set of Issuing Agency  
 267 Codes. This means that the party has the Danish CVR (9902 - see above table) identifier "DK87654321".

```
268 <cac:PartyIdentification>  
269 <cbc:ID schemeID="DK:CVR">DK87654321</cbc:ID>  
270 </cac:PartyIdentification>
```

271 and

```

272 <cac:PartyIdentification>
273   <cbc:ID schemeID="DK:CVR"
274     schemeAgencyName="The Danish Commerce and Companies Agency"
275     schemeURI="urn:anyurn:dk:cvr">DK87654321</cbc:ID>
276 </cac:PartyIdentification>

```

277 In cases where the BusDox Participant Identifier is extracted from the BII document (e.g. the UBL  
 278 Party/EndpointID) the mnemonic PEPPOL Issuing Agency Code (e.g. "GLN") has to be replaced by the  
 279 equivalent numeric value (e.g. "0088").

### 280 Example 3: Mapping of identifiers between CEN BII and PEPPOL

281 This PEPPOL BIS (UBL) document fragment identifies a Party as "4035811991014" using the GLN scheme:

```

282 <cac:Party>
283   <cbc:EndpointID schemeID="GLN">4035811991014</cbc:EndpointID>
284 </cac:Party>

```

285 In BusDox the equivalent Participant Identifier would be expressed as:

```

286 <ParticipantIdentifier scheme="iso6523-actorid-
287 upis">0088:4035811991014</ParticipantIdentifier>

```

288 This means mapping the BII schemeName of "GLN" to the numeric value of "0088". To then transform an  
 289 EndpointID into the equivalent Participant Identifier it is necessary to create a combined string value, e.g.  
 290 "0088:4035811991014".

## 291 POLICY 9 Participant Identifiers for DNS

292 Participant identifiers – consisting of scheme and value – are encoded as follows into a DNS name:  
 293 B-<hash-of-value>.<scheme>.<SML-zone-name>

294 Applies to: the resolution of PEPPOL participant identifier for SMP clients

295 Explanation:

<hash-of-value>	<p>Is the string representation of the MD5 hash value, of the lowercased identifier value (e.g. 0088:abc).</p> <p>The <b>UTF-8</b> charset needs to be used for extracting bytes out of strings for MD5 hash value creation.</p> <p>Lowercasing must be performed according to the <b>en_US</b> locale rules (no special character handling).</p> <p>Note: it is important, that the MD5 hash value is generated <b>after</b> the identifier value has been lowercased because according to POLICY 3 participant identifiers have to be treated case insensitive. "String representation" means the encoding of each MD5 hash-byte into 2 characters in the range of [0-9a-f] (e.g. byte value 255 becomes string representation "ff").</p>
<scheme>	<p>Is the identifier scheme value ("iso6523-actorid-upis" in PEPPOL) and is added "as is" into the DNS name<sup>15</sup>.</p> <p>Note: The Busdoux specification ensures, that the participant identifier schemes are valid DNS name parts.</p>
<SML-zone->	Is the DNS domain name of the SML zone (e.g. "sml.peppolcentral.org." – mind

<sup>15</sup> Case changes may be done but are not required, as the underlying DNS system is case insensitive.

name>	the trailing dot).
-------	--------------------

296 **Example:**

297 The participant identifier “0088:123abc” with the scheme “iso6523-actorid-upis” in the SML DNS zone  
298 “sml.peppolcentral.org.” is encoded into the following identifier:

299 B-f5e78500450d37de5aabe6648ac3bb70.iso6523-actorid- 300 upis.sml.peppolcentral.org.
--

301 The result must be the same if the identifier “0088:123ABC” is used, as identifier values are treated case  
302 insensitive.



## 4 Policies on Identifying Documents supported by PEPPOL

### 4.1 Format

Document types used in PEPPOL are identified using the concepts defined in the PEPPOL Identifier Schemes Version 1.0.0 (see [PEPPOL\_Transp]). As outlined in POLICY 3 document type identifiers have to be treated case sensitive.

The identifier format is an aggregated format that covers the following identifier concepts:

- ▶ **Format Identifier:**  
This identifies the specific syntax of the document that is being exchanged in the service. For XML documents, the root element namespace (the namespace of the schema defining the root element) and document element local name (the name of the root element) are concatenated using the “::” delimiter to define the syntax of the XML document.
- ▶ **Customization Identifier:**  
This represents a customization of a service, such as a customization of the document format. For PEPPOL, refinements of CEN BII profiles are necessary to support the specific requirements for cross-border eProcurement. These are documented in PEPPOL BIS which also indicate the implementation syntax of the BII Profile. See [PEPPOL\_PostAward] for details.
- ▶ **Version Identifier:**  
This identifies the version of a document following the versioning conventions of that specific document syntax.

### POLICY 10 PEPPOL Document Type Identifier scheme

The PEPPOL document type identifier scheme to be used is:

`busdox-docid-qns`

Applies to: all document type identifiers in all components

### POLICY 11 PEPPOL Customization Identifiers

The PEPPOL Customization Identifier identifies the standardised transaction (e.g. BII transaction) and any PEPPOL extension, as it applies to the transaction. The full syntax is:

`<transactionId>:#<extensionId>[#<extensionId>]`

Applies to: all document type identifiers in all components

#### Example:

`urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol3a:ver1.0`

Transaction ID	urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0
Extension ID	urn:www.peppol.eu:bis:peppol3a:ver1.0

This identifies this customization as the “PEPPOL BIS 3a” as it applies to the BII Order data model “BiiCoreTrdm001”.

### POLICY 12 Specifying Customization Identifiers in UBL documents

The value for CustomizationID element in the document instance must correspond to the Customization ID of the BusDox Document Type Identifier (see [PEPPOL\_Transp]). In addition, the “schemeID” attribute must specify “PEPPOL” to indicate this convention is a PEPPOL policy.

340 Applies to: Document used in a PEPPOL BIS with UBL syntax mapping

341 **Example:**

```
342 <cbc:CustomizationID schemeID="PEPPOL">  
343 urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:  
344 peppol3a:ver1.0  
345 </cbc:CustomizationID>
```

346 **POLICY 13 PEPPOL Document Type Identifiers**

347 The format of the Document Type Identifier is:

```
348 <root NS>::<document element local name>##<customization id>::<version>
```

349 The value for Customization ID component in the Document Type Identifier should correspond to the  
350 CustomizationID in the document instance. The combination of customization ID and version is denoted as  
351 "Subtype identifier" in the BusDox Common Definitions 1.0 specification document. Therefore the URL  
352 encoding of these elements has to be done as stated in the specification document.

353 <version> is used to reflect the version of the underlying syntax standard.

354 Applies to: all document type identifiers in all components

355 **Example:**

356 The following example denotes that the document type capable of being received is a UBL 2.0 Order  
357 conforming to the PEPPOL Profile 3a).

```
358 urn:oasis:names:specification:ubl:schema:xsd:Order-  
359 2::Order##urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.pepp  
360 ol.eu:bis:peppol3a:ver1.0::2.0°
```

361

Root namespace	urn:oasis:names:specification:ubl:schema:xsd:Order-2
Document element local name	Order
Customization ID (see above)	urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol3a:ver1.0
Version	2.0

362 **POLICY 14 Specifying Document Type Identifiers in SMP documents**

363 The value for the scheme attribute must be "busdox-docid-qns" (see POLICY 10) and the element value  
364 must be the document type identifier itself.

365 Applies to: XML documents used in the SMP

366 **Example usage in the SMP:**

```
367 <DocumentIdentifier scheme="busdox-docid-qns">  
368 urn:oasis:names:specification:ubl:schema:xsd:Order-  
369 2::Order##urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.pepp  
370 ol.eu:bis:peppol3a:ver1.0::2.0</DocumentIdentifier>
```

## 4.2 Document Type Identifier Values

The current non-normative list of supported PEPPOL Document Type Identifiers is shown in the following table. The latest normative version can be found at [PEPPOL\_PostAward].

Common Name	PEPPOL Document Type Identifier <sup>16</sup>	PEPPOL Specification
Virtual Company Dossier <sup>17</sup>	urn:www.peppol.eu:schema:xsd:VirtualCompanyDossier-1::VirtualCompanyDossier## urn:www.cenbii.eu:transaction:biicoretrdm991:ver0.1:#urn:www.peppol.eu:bis:peppol991a:ver1.0::0.1	See [PEPPOL_EIA]
Virtual Company Dossier Package <sup>18</sup>	urn:www.peppol.eu:schema:xsd:VirtualCompanyDossierPackage-1::VirtualCompanyDossierPackage## urn:www.cenbii.eu:transaction:biicoretrdm992:ver0.1:#urn:www.peppol.eu:bis:peppol992a:ver1.0::0.1	See [PEPPOL_EIA]
Catalogue Template <sup>19</sup>	urn:www.peppol.eu:schema:xsd:CatalogueTemplate-1::CatalogueTemplate## urn:www.cenbii.eu:transaction:biicoretrdm993:ver0.1:#urn:www.peppol.eu:bis:peppol993a:ver1.0::0.1	See [PEPPOL_EIA]
PEPPOL Catalogue profile	urn:oasis:names:specification:ubl:schema:xsd:Catalogue-2::Catalogue## urn:www.cenbii.eu:transaction:biicoretrdm019:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse## urn:www.cenbii.eu:transaction:biicoretrdm057:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse## urn:www.cenbii.eu:transaction:biicoretrdm058:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0	See [PEPPOL_PostAward]
PEPPOL Order profile	urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order## urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol3a:ver1.0::2.0	See [PEPPOL_PostAward]
PEPPOL Invoice profile	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol4a:ver1.0::2.0	See [PEPPOL_PostAward]

<sup>16</sup> For better readability a blank is inserted after the first “##” sequence. This has to be removed in production!

<sup>17</sup> Note: These identifiers are placeholders only. The PEPPOL VCD documents are currently defined as extensions of BII and will be published in CEN/BII2. For details of CEN/BII Profiles refer to [CEN\_BII2].

<sup>18</sup> Note: These identifiers are placeholders only. The PEPPOL VCD Package documents are currently defined as extensions of BII and will be published in CEN/BII2. For details of CEN/BII Profiles refer to [CEN\_BII2].

<sup>19</sup> Note: These identifiers are placeholders only. The PEPPOL Catalogue Template documents are currently being defined as extensions of BII and will be published in CEN/BII2. For details of CEN/BII Profiles refer to [CEN\_BII2].

PEPPOL Billing profile	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote## urn:www.cenbii.eu:transaction:biicoretrdm014:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm015:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0	See [PEPPOL_PostAward]
PEPPOL Procurement profile	urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order## urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:OrderResponseSimple-2::OrderResponseSimple## urn:www.cenbii.eu:transaction:biicoretrdm002:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:OrderResponseSimple-2::OrderResponseSimple## urn:www.cenbii.eu:transaction:biicoretrdm003:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote## urn:www.cenbii.eu:transaction:biicoretrdm014:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm015:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]

374

375 The normative form of the code list is available as a Genericode file referenced at [PEPPOL\_PostAward]. It is important to note that this is a dynamic list.

376 Over time new services will be added. Developers should take this into account when designing and implementing solutions for PEPPOL services.

377

## 5 Policy on Identifying Processes supported by PEPPOL

### 5.1 Format

As outlined in POLICY 3 PEPPOL process identifiers have to be treated case sensitive.

#### POLICY 15 PEPPOL BusDox Process Identifier scheme

The PEPPOL BusDox process identifier scheme to be used is:

`cenbii-procid-ubl`

Applies to: all process identifiers in all component

#### POLICY 16 PEPPOL Process Identifiers

PEPPOL processes are identified by the respective BII processes. The process identifier has to match the BII profile ID.

Applies to: all process identifiers in all component

#### Example:

The following process identifier is used for "BII04 - Invoice only":

```
urn:www.cenbii.eu:profile:bii04:ver1.0
```

#### POLICY 17 Specifying Process Identifiers in SMP documents

The value for the scheme attribute must be "cenbii-procid-ubl" (see POLICY 15) and the element value must be the process identifier itself.

Applies to: XML documents used in the SMP

#### Example:

```
<ProcessIdentifier scheme="cenbii-procid-ubl">urn:www.cenbii.eu:profile:bii03:ver1.0</ProcessIdentifier>
```

### 5.2 Process ID values

Below is a non-normative list of predefined PEPPOL process identifiers and the matching PEPPOL BIS identifiers. Below each profile a list of all supported document type identifiers (see above) valid for this specific profile are listed. The latest normative version can be found at [PEPPOL\_PostAwar].

Profile code	Profile ID	PEPPOL BIS
BII01 - Catalogue only	urn:www.cenbii.eu:profile:bii01:ver1.0	urn:www.peppol.eu:bis:peppol1a:ver1.0
<ul style="list-style-type: none"><li>urn:oasis:names:specification:ubl:schema:xsd:Catalogue-2::Catalogue##urn:www.cenbii.eu:transaction:biicoretrdm019:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0</li><li>urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse##urn:www.cenbii.eu:transaction:biicoretrdm057:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0</li><li>urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse##urn:www.cenbii.eu:transaction:biicoretrdm058:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0</li></ul>		

BII03 - Order Only	urn:www.cenbii.eu:profile:bii03:ver1.0	urn:www.peppol.eu:bis:peppol3a:ver1.0
<ul style="list-style-type: none"> <li>urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol3a:ver1.0::2.0</li> </ul>		
BII04 - Invoice only	urn:www.cenbii.eu:profile:bii04:ver1.0	urn:www.peppol.eu:bis:peppol4a:ver1.0
<ul style="list-style-type: none"> <li>urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol4a:ver1.0::2.0</li> </ul>		
BII05 - Billing	urn:www.cenbii.eu:profile:bii05:ver1.0	urn:www.peppol.eu:bis:peppol5a:ver1.0
<ul style="list-style-type: none"> <li>urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0</li> <li>urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##urn:www.cenbii.eu:transaction:biicoretrdm014:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0</li> <li>urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm015:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0</li> </ul>		
BII06 - Procurement	urn:www.cenbii.eu:profile:bii06:ver1.0	urn:www.peppol.eu:bis:peppol6a:ver1.0
<ul style="list-style-type: none"> <li>urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0</li> <li>urn:oasis:names:specification:ubl:schema:xsd:OrderResponseSimple-2::OrderResponseSimple##urn:www.cenbii.eu:transaction:biicoretrdm002:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0</li> <li>urn:oasis:names:specification:ubl:schema:xsd:OrderResponseSimple-2::OrderResponseSimple##urn:www.cenbii.eu:transaction:biicoretrdm003:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0</li> <li>urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0</li> <li>urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##urn:www.cenbii.eu:transaction:biicoretrdm014:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0</li> <li>urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm015:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0</li> </ul>		

403 The normative form of the code list is available as a Genericcode file referenced at  
404 [PEPPOL\_PostAward].

## 6 Governance of this Policy

This policy needs maintenance to ensure it supports new versions of the standards, extensions to other identification schemes, new services, etc.

Currently the CEN BII2 has a several work items for updating the current CEN BII CWA in order to create a more complete version for CEN BII2. This includes revising code lists and adding new profiles. PEPPOL needs to ensure on-going participation and support of this work.

To ensure sustainability and proper governance of Party Identifier schemes it is proposed to include only Issuing Agency Codes in the scope of:

1. International recognized standard schemes (CEN, ISO, UN/ECE)
2. International de-facto accepted schemes (OASIS)
3. Nationally defined schemes

The PEPPOL Governing Board shall ensure that each Issuing Agency...

1. Recognizes any organisation wishing to allocate unique Party identifiers as part of a PEPPOL Pilot. An individual organisation or company wishing to issue unique identifiers shall do so through umbrella organisations such as their trade associations, network provider or a public or state agency;

2. Has defined rules which ensure that every unique identifier issued with their authority shall begin with their Issuing Agency Code (IAC);

NOTE: The purpose of this is to ensure that the same unique Party identifier (including the IAC) can never be issued by another issuer, no matter which agency is used to ensure unambiguity in the total marketplace.

3. Has defined rules so that a unique party identifier is only re-issued after the previously issued unique identifier has ceased to be of significant to any user. The length of such period should be dependent upon the environment in which the unique identifier will be used.

These rules mirror those of the ISO 15459 registration Authority (NEN) and will support the option to transfer the responsibility that authority as part of the PEPPOL sustainability programme. In effect PEPPOL (and then BII2) is taking the role of a governance agency (like NEN) for the PEPPOL pilot period.