

Peppol

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Policy for use of Identifiers

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Revision History

Version	Date	Description of changes
3.0	2014-02-03	Updated 1.3, References Updated POLICY 11, Peppol Customization identifiers Updated POLICY 12, Specifying Customization identifiers in UBL documents Updated POLICY 16, Peppol process identifiers Updated 4.2, Document Type Identifier Values Updated 5.2, Process ID values Updated 3.2, Identifier values including ZZZ
3.1	2018-04-27	Extracted the code lists out of this document. References to the code lists were updated. Line numbers start with chapter 1. No content changes.
4.0	2019-01-28	Updated legacy references and wordings Separated Participant and Party identification Introduced the term “Participant Identifier Meta Scheme” Added relation to Peppol BIS versions 1 and 2 Added a table with all used XML Namespace URIs
4.0.1	2019-09-12	Extended the allowed characters for Participant Identifier values in POLICY 1
4.1.0	2020-03-11	Extended the allowed characters for Participant Identifier values in POLICY 1 Adopted to new branding Updated the reference to the Code lists
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Version	Date	Description of changes
		The document was transformed to the new design.
4.4.0	2025-02-06	Changing POLICY 7 to use a different DNS zone name algorithm Increased the maximum Participant and Party Identifier Length

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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 References

[Peppol]	https://peppol.org/
[Peppol_PostAward]	https://peppol.org/documentation/technical-documentation/post-award-documentation/
[Peppol_CodeList]	https://docs.peppol.eu/edelivery/codelists/
[CEN_BII]	https://cenbii.eu/deliverables/cen-bii/
[CEN_BII2]	https://cenbii.eu/deliverables/cen-bii-2/
[ISO 15459]	https://www.iso.org/standard/54782.html
	https://www.iso.org/standard/54781.html
[ISO 9735 Service Code List (0007)]	https://unece.org/sites/default/files/datastore/fileadmin/DAM/trade/untdid/download/r1241.doc
[ISO 6523]	https://www.iso.org/standard/25773.html
[OASIS UBL]	https://docs.oasis-open.org/ubl/os-UBL-2.1/UBL-2.1.html
	https://docs.oasis-open.org/ubl/os-UBL-2.1/UBL-2.1.zip
[OASIS UBL22]	https://docs.oasis-open.org/ubl/os-UBL-2.2/UBL-2.2.html
	https://docs.oasis-open.org/ubl/os-UBL-2.2/UBL-2.2.zip
[OASIS ebCore]	https://docs.oasis-open.org/ebcore/PartyIdType/v1.0/CD03/PartyIdType-1.0.html
[RFC3986]	https://www.ietf.org/rfc/rfc3986.html
[UN/CEFACT]	https://unece.org/trade/uncefact

31 1.3 XML Namespaces URIs used

Prefix	Namespace URI
cac	urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-2
cbc	urn:oasis:names:specification:ubl:schema:xsd:CommonBasicComponents-2
ram	urn:un:unece:uncefact:data:standard:ReusableAggregateBusinessInformationEntity:100
rsm	urn:un:unece:uncefact:data:standard:CrossIndustryInvoice:100

322 Introduction to identifiers

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

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

44 2.1 Scope

45 2.1.1 The policy of a federated scheme for identifying Parties⁵

46 Parties in the Peppol Network play the role of Participants. There are sender and
47 receiver Participants in any exchange, but the Service Metadata Publisher (SMP) only
48 publishes services defined for the receiver Participant. The technical name for this
49 identifier in the Peppol Network is the Participant Identifier.

⁵ 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.

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 that equates to the receiver Participant in the SMP. But neither of these are reliable rules. Business standards (such as EN 16931) and agreements (such as 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.

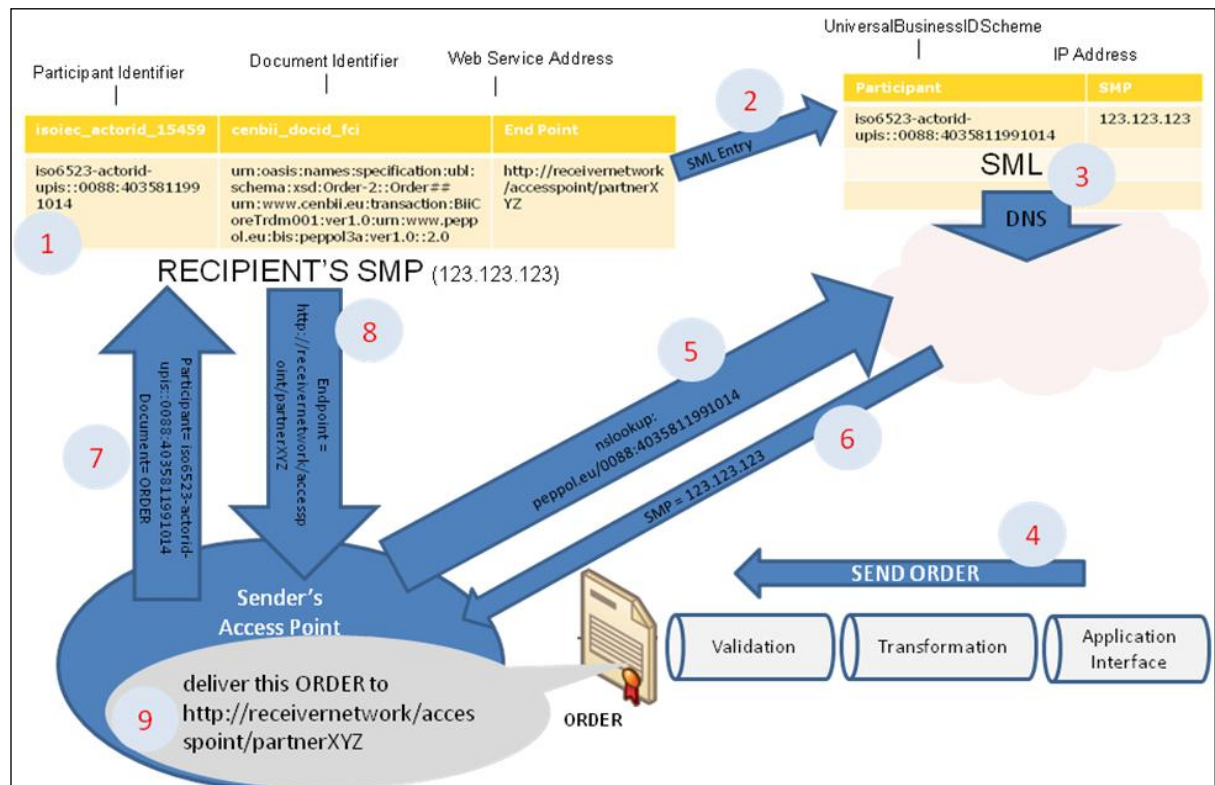
Many schemes already exist for identifying Parties. Peppol has no intention of developing yet another. Our strategy is to recognize a range of different identification schemes and provide a code list of those recognized schemes based on international standards.

2.1.2 The policy for identifying Documents and Services used in Peppol implementation of the Peppol Network

The Peppol Network requires a Participant sending a document to identify both the receiving Participant and the service that will receive the document. The sender (or their Access Point provider) achieves this by searching the Service Metadata Locator (SML) filled Domain Name System (DNS) to find the relevant Service Metadata Publisher (SMP) that can identify the endpoint URL⁶ within the recipient's Access Point (AP). This endpoint URL is the service address where the document is received. Therefore, it is important to define precisely what documents and services can be handled by the receiving Participant.

The diagram below shows the relationship of these information elements.

⁶ Note: the endpoint URL is not the same as the Endpoint ID in the business document.



Peppol has set up Business Interoperability Specifications (BIS) explaining how business documents need to be filled from a semantical and technical point of view.

2.1.3 Semantic scope

This document covers the following areas:

- Participant identification
 - Identification of a technical entity in the Peppol Network
 - Can be used in transport documents and (where needed) in business documents
- Party identification
 - Identification of a business entity
 - Usually only used in business documents
- Document type identification
- Process identification
- Transport profile identification

95 2.1.4 Relation to Peppol BIS versions 1 and 2

96 This version of the document cannot be applied on Peppol BIS versions 1 and 2. Peppol
97 BIS versions 1 and 2 MUST follow the most up-to-date “Peppol Policy for use of
98 identifiers” version 3.x.

99 2.2 Participant vs. Party Identification

100 The following aspects are addressed in this document:

- 101 1. The Peppol code list of Party Identification schemes used in business
102 documents.
- 103 2. The Peppol code list of Participant Identification schemes used in metadata as
104 well as in business documents.

105 Peppol does not implement its own scheme for identifying Parties. Instead, it supports a
106 federated system for uniquely identifying parties following the ISO 15459 format scheme⁷
107 for unique identifiers. This requires defining a controlled set of “Issuing Agency Codes”⁸
108 for identification schemes (also known as “party identifier types”⁹ or “Identification code
109 qualifier”¹⁰ or “International Code Designators”¹¹ or “Party ID Type”¹²) required by Peppol
110 implementations.

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

- 113 • For Peppol, it will be part of the Peppol Service Provider agreement that service
114 providers for Peppol Addressing and Capability look-up have suitable governance
115 of their identification schemes when they enter, update and delete information on
116 their SMP.
- 117 • Within the content of business documents, each Peppol Participant will be
118 responsible for using the appropriate Peppol Party Identifier.

119 This section defines the policies for the formatting and the population of values for Party
120 Identifiers used by Peppol.

121 Note for UBL documents: It should be pointed out here that this policy covers only use
122 `Party/PartyIdentification/ID` and `Party/EndpointID`. Other party or
123 participant identifiers within UBL documents are out of scope for this policy.

⁷ ISO 15459-4 Individual items, see [ISO 15459]

⁸ ISO 15459 terminology, see [ISO 15459]

⁹ CEN/BII terminology

¹⁰ ISO 9735 Service Code List (0007) terminology

¹¹ ISO 6523 terminology

¹² OASIS ebCore terminology

Note for CII documents: It should be pointed out here that this policy covers only use `SellerTradeParty/ID`, `BuyerTradeParty/ID`, `BuyerTradeParty/URIUniversalCommunication/URIID` and `SellerTradeParty/URIUniversalCommunication/URIID`. Other party or participant identifiers within CII documents are out of scope for this policy.

2.3 Common Policies

POLICY 1 Usage of ISO15459

Participant Identifiers should adhere to the following constraints:

- MUST be at least 1 character long (excluding the numeric identifier scheme)
- MUST NOT be more than 130 characters long (excluding the numeric identifier scheme)
- MUST only contain letters (a-z, A-Z), numeric digits (0-9), the minus sign (-), the period character (.), the underscore character (_) or the tilde character (~) from the invariant character set of ISO-8859-1¹³

Party Identifiers should adhere to the following constraints:

- MUST be at least 1 character long (excluding the numeric identifier scheme)
- MUST NOT be more than 130 characters long (excluding the numeric identifier scheme)
- MUST only contain characters from the invariant character set of ISO-8859-1

Document Type Identifiers should adhere to the following constraints:

- MUST be at least 1 character long (excluding the identifier scheme)
- MUST NOT be more than 500 characters long (excluding the identifier scheme)
- MUST only contain characters from the invariant character set of ISO-8859-1

Process Identifiers should adhere to the following constraints:

- MUST be at least 1 character long (excluding the identifier scheme)
- MUST NOT be more than 200 characters long (excluding the identifier scheme)
- MUST only contain characters from the invariant character set of ISO-8859-1

Transport Profile Identifiers should adhere to the following constraints:

- MUST be at least 1 character long (excluding the identifier scheme)
- MUST NOT be more than 50 characters long (excluding the identifier scheme)
- MUST only contain letters, numeric digits, the minus sign ('-') or the underscore sign ('_') from the invariant character set of ISO-8859-1

Applies to: All above mentioned types of identifiers in all Peppol components

POLICY 2 Identifier Value casing

All Participant Identifier values have to be treated case insensitive even if the underlying scheme requires a case sensitive value.

¹³ Based on the unreserved characters of [RFC3986]

All Party Identifier values have to be treated case insensitive even if the underlying scheme requires a case sensitive value.

All Document Type Identifier values have to be treated case sensitive.

All Process Identifier values have to be treated case sensitive.

All Transport Profile Identifiers have to be treated case sensitive.

Applies to: All identifiers in all Peppol components

Note: all identifier scheme values are case sensitive (see POLICY 5, POLICY 16 and POLICY 24)

Example 1 (Participant Identifier Values):

Participant Identifier Value `0088:abc` is equal to `0088:ABc`

Participant Identifier Value `0088:abc` is NOT equal to `0010:abc`

Example 2 (Document Type Identifier Values):

Document Type Identifier Value

```
urn:oasis:names:specification:ubl:schema:xsd:Invoice-  
2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:p  
oacc:billing:3.0::2.1
```

is NOT equal to

```
URN:OASIS:NAMES:SPECIFICATION:UBL:SCHEMA:XSD:INVOICE-  
2::INVOICE##URN:CEN.EU:EN16931:2017#COMPLIANT#URN:FDC:Peppol.EU:2017:P  
OACC:BILLING:3.0::2.1
```

Example 3 (Process Identifier Values):

Process Identifier Value

```
urn:fdc:peppol.eu:2017:poacc:billing:01:1.0
```

is NOT equal to

```
URN:FDC:Peppol.EU:2017:POACC:BILLING:01:1.0
```

1873 Policy for Peppol Participant Identification

Participant identifiers relate to technical entities and are used in all kinds of transport level documents (e.g. the Peppol Business Message Envelope, AS4 User Message or SMP endpoints) as well as in business documents.

191 3.1 Format

192 POLICY 3 Use of ISO15459 structure

193 Participant Identifier values used in Peppol are comprised of:

- 194 ▪ An Identifier Scheme
- 195 ▪ The value provided by this Identifier Scheme

196 Applies to: All Participant identifiers in all Peppol components

197 **Example:**

198 Identifier Scheme: EAN International

199 Identifier Scheme according to [Peppol_CodeList]: 0088

200 Value provided by the Identifier Scheme: 1234567890128

201 POLICY 4 Coding of Identifier Schemes

202 All Identifier Schemes for Participant Identifiers are to be taken from the normative version of
203 [Peppol_CodeList].

204 This list is currently maintained by OpenPeppol.

205 Applies to: All Participant identifiers in all Peppol components

206 3.2 Identifier Scheme values

207 The values for the Peppol identifier Scheme Code list were originally taken from the
208 NESUBL PartyID code list but this has been extended to cover use by all Peppol
209 participants and includes other known Identifier Schemes (from e.g. ISO 6523¹⁴).

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

- 214 1. International recognized standard schemes, then
- 215 2. International de-facto accepted schemes, then
- 216 3. Nationally defined schemes

217 The actual values for numeric International Code Designators were based on the
218 following allocation criteria:

- 219 1. ISO 6523 International Code Designator (if known), or
- 220 2. ISO 9735 Identification code qualifier (if known), or

¹⁴ See http://en.wikipedia.org/wiki/ISO_6523

221 3. An incremental number starting from 9900 (issued by OpenPeppol)
222 Even though these numeric values are based on ISO code sets, they form a separate
223 Peppol code list because they contain additional values. Therefore, the Issuing Agency
224 for all numeric codes is Peppol and not ISO 6523.

225 **POLICY 4a Participant Identifier Scheme Code List States**

226 Code List rows with the state "deprecated" MUST NOT be used for newly exchanged
227 business documents or new SMP registrations, as the respective identifier issuing agency is
228 no longer active/valid. Rows with the state "removed" MUST NOT be used at all. Previous
229 Issuing Agency Codes MUST NOT be reused for different agencies as existing exchanged
230 documents may refer to them.

231 Applies to: All Participant identifiers in all Peppol components

232 Note: It is important to note that this is a dynamic list. Over time new services will be
233 added. Developers should take this into account when designing and implementing
234 solutions for Peppol services.

235 **POLICY 5 Participant Identifier Meta Scheme**

236 The Peppol Participant Identifier Meta Scheme is:
237 `iso6523-actorid-upis`

238 Applies to: All Participant Identifiers in all Peppol components

239 Note: This Meta Scheme is always case sensitive – only the Participant Identifier value is
240 case insensitive (see POLICY 2).

241 Note: The Participant Identifier Meta Scheme may be omitted in documents because it is
242 currently constant.

243 **POLICY 6 Numeric Codes for Identifier Schemes**

244 The numeric ISO 6523 code set as used in Peppol include additional code values not part of
245 the official ISO 6523 code set and so cannot be referred to as the official ISO 6523 code
246 set¹⁵. The codes starting with "99" are extending this code set and are called "extended
247 values". For convenience the term "ISO 6523" is used for all codes and indicates the origin
248 of many code values used.

249 Applies to: All participant identifiers in all Peppol components

250 **POLICY 7 Participant Identifiers for DNS**

251 Participant identifiers – consisting of scheme and value – are encoded as follows into a DNS
252 name:

¹⁵ ISO 6523 is currently under revision after a 25-year working period; the new version will meet requirements imposed by technological development.

253 `<hash-of-value>.<scheme>.<SML-zone-name>`

254 Applies to: The resolution of Peppol Participant Identifiers for SMP clients

255 Explanation:

<hash-of-value>	<p>Is the string representation of the SHA-256 hash value, of the lowercased identifier value (e.g. 0088:abc).</p> <p>The UTF-8 charset needs to be used for extracting bytes out of strings for SHA-256 hash value creation.</p> <p>Lowercasing must be performed according to the en_US locale rules (no special character handling).</p> <p>Note: it is important, that the SHA-256 hash value is generated after the identifier value has been lowercased because according to POLICY 2 participant identifiers have to be treated case insensitive. “String representation” means the Base32-encoding¹⁶ of the SHA-256 hash-bytes, without any trailing “=” characters (padding).</p>
<scheme>	<p>Is the identifier scheme value (“iso6523-actorid-upis” in Peppol) and is added “as is” into the DNS name¹⁷.</p> <p>A scheme identifier may only contain the following characters: [a-z], [0-9], [-].</p> <p>A scheme identifier SHOULD be as short as possible and MUST NOT exceed 25 characters.</p>
<SML-zone-name>	<p>Is the DNS domain name of the SML zone (e.g. “edelivery.tech.ec.europa.eu.” – mind the trailing dot).</p>

256 **Example:**

257 The Participant Identifier `0088:123abc` with the Meta Scheme `iso6523-actorid-`
 258 `upis` in the SML DNS zone `edelivery.tech.ec.europa.eu.` is encoded into the
 259 following identifier:

260 `Y7DZFXAF3D4CJZ4KCGRXTEC6TWVCGA4KY7ZWA5BOIF6MSWD4TDRQ.iso6523-actorid-`
 261 `upis.edelivery.tech.ec.europa.eu.`

¹⁶ Base32 (according to RFC 4648) in combination with SHA-256 was chosen, because it stays within the limits of URL host name parts (max. 63 characters) and leverages a bigger character repertoire (32 characters) than Base16 (16 characters).

¹⁷ Case changes may be done but are not required, as the underlying DNS system is case insensitive.

262 The result must be the same if the identifier 0088:123ABC is used, as identifier values
263 are treated case insensitive.

264 **POLICY 8 XML attributes for Participant Identifiers in SMP responses**

265 The “scheme” attribute MUST be populated with the value "iso6523-actorid-upis" (see
266 POLICY 5) in all instances of the “ParticipantIdentifier” element.

267 Applies to: XML documents used in the SMP

268 **Example 1:**

269 The following example from an SMP exchange denotes that the SMP Endpoint is
270 identified using the ISO 6523 ICD value in the OpenPeppol set of Participant Identifier
271 Schemes. This in turn has a numeric value of 0088 meaning that the party has a GLN
272 number with the value of 7300010000001.

```
273 <ParticipantIdentifier scheme="iso6523-actorid-upis"  
274 >0088:7300010000001</ParticipantIdentifier>
```

275 **Example 2:**

276 The following example denotes that the SMP Endpoint is identified using the ISO 6523
277 ICD value in the OpenPeppol set of Participant Identifier Schemes. This in turn has a
278 numeric value of 0002 meaning that the party has a French SIRENE identifier with the
279 value of 542034942.

```
280 <ParticipantIdentifier scheme="iso6523-actorid-upis"  
281 >0002:542034942</ParticipantIdentifier>
```

282 **POLICY 9 XML attributes for Electronic Address IDs (EndpointID) in UBL 283 documents**

284 The “schemeID” attribute MUST be populated in all instances of the “EndpointID” element
285 when used within a “Party” element. The only valid values are defined in the
286 [Peppol_CodeList] as “ICD value”.
287 Extended values starting with “99” as indicated by POLICY 6 MAY be used.

288 Applies to: All business documents used in a Peppol BIS with UBL syntax mapping

289 **Example:**

```
290 <cac:Party>  
291   <cbc:EndpointID schemeID="0088">7300010000001</cbc:EndpointID>  
292 </cac:Party>
```

POLICY 10 XML attributes for Electronic Address IDs in CII documents

The “schemeID” attribute MUST be populated in all instances of the “ram:URIUniversalCommunication/ram:URIID” element when used within a “Party” element. The only valid values are defined in the [Peppol_CodeList] as “ICD value”. Extended values starting with “99” as indicated by POLICY 6 MAY be used.

Applies to: All business documents used in a Peppol BIS with CII syntax mapping

Example:

```
<ram:BuyerTradeParty>
  <ram:URIUniversalCommunication>
    <ram:URIID schemeID="0088">7300010000001</ram:URIID>
  </ram:URIUniversalCommunication>
</ram:BuyerTradeParty>
```

POLICY 11 XML attributes for Participant Identifiers in the Envelope (SBDH)

The “Authority” attribute MUST be populated with the value “iso6523-actorid-upis” (see POLICY 5) in all instances of the “Identifier” element.

Applies to: All instances of the Peppol Business Message Envelope (SBDH)

Example 1:

The following example denotes that the Sender Identifier of the Business Envelope is identified using the ISO 6523 ICD value in the OpenPeppol set of Participant Identifier Schemes. This in turn has an alphanumeric value of 0088:7300010000001 meaning that the party has a GLN number with the value of 7300010000001.

```
<Sender>
  <Identifier Authority="iso6523-actorid-
upis">0088:7300010000001</Identifier>
</Sender>
```

Example 2:

The following example denotes that the Receiver Identifier of the Business Envelope is identified using the ISO 6523 ICD value in the OpenPeppol set of Participant Identifier Schemes. This in turn has an alphanumeric value of 0088:7300010000001 meaning that the party has a GLN number with the value of 7300010000001.

```
<Receiver>
  <Identifier Authority="iso6523-actorid-upis">0088:7300010000001
</Identifier>
</Receiver>
```

3274 Policy for Peppol Party Identification

328 Party identification relates to business entities and is only used in business documents.

329 4.1 Format

330 POLICY 12 Use of ISO15459 structure

331 Party Identifier values used in Peppol are comprised of:

- 332 - An optional Identifier Scheme
- 333 - The value provided by this Identifier Scheme

334 Applies to: All Party identifiers in all Peppol components

335 Note: The Identifier Scheme MAY be omitted if it can be reasoned within the context¹⁸.

336 **Example:**

337 Identifier Scheme: EAN International

338 Identifier Scheme according to ISO 6523: 0088

339 Value provided by the Identifier Scheme: 1234567890128

340 POLICY 13 Coding of Identifier Schemes

341 All Identifier Scheme for Party Identifiers are to be taken from the normative version of the
342 ISO 6523 ICD list.

343 Applies to: All Party identifiers in all Peppol components

344 POLICY 14 XML attributes for Party Identifiers in UBL documents

345 The “schemeID” attribute SHOULD be populated in all instances of the “ID” element when
346 used within a “PartyIdentification” element when used within a “Party” element. The only
347 valid values are defined in the [ISO 6523] code list as the numeric “International Code
348 Designator” (ICD) value.

349 Extended values starting with “99” as indicated by POLICY 6 MUST NOT be used.

350 Applies to: All business documents used in a Peppol BIS with UBL syntax mapping

351 Note: The Party Identification is not involved in a Peppol Document Exchange – it is
352 contained for business usage only.

353 **Example 1:**

354 The following example denotes that the ISO 6523 ICD value is 0088 meaning it’s a GLN
355 number with the value of 7300010000001.

¹⁸ This is e.g. relevant for the Peppol Billing BIS to be compliant with EN 16931.

```
<cac:PartyIdentification>  
  <cbc:ID schemeID="0088">7300010000001</cbc:ID>  
</cac:PartyIdentification>
```

Example 2:

The following example denotes that the ISO 6523 ICD value is 0002 meaning it's a French SIRENE number with the value of 542034942.

```
<cac:PartyIdentification>  
  <cbc:ID schemeID="0002">542034942</cbc:ID>  
</cac:PartyIdentification>
```

POLICY 15 XML attributes for Party Identifiers in CII documents

The "schemeID" attribute SHOULD be populated in all instances of the "ID" element when used within a "PartyIdentification" element when used within a "Party" element. The only valid values are defined in the [ISO 6523] code list as the numeric "International Code Designator" (ICD) value.
Extended values starting with "99" as indicated by POLICY 6 MUST NOT be used.

Applies to: All business documents used in a Peppol BIS with CII syntax mapping

Note: The Party Identification is not involved in a Peppol Document Exchange – it is contained for business usage only.

Example 1:

The following example denotes that the ISO 6523 ICD value is 0088 meaning it's a GLN number with the value of 7300010000001.

```
<ram:BuyerTradeParty>  
  <ram:ID schemeID="0088">7300010000001</ram:ID>  
</ram:BuyerTradeParty>
```

Example 2:

The following example denotes that the ISO 6523 ICD value is 0002 meaning it's a French SIRENE number with the value of 542034942.

```
<ram:BuyerTradeParty>  
  <ram:ID schemeID="0002">542034942</ram:ID>  
</ram:BuyerTradeParty>
```

386 **5 Policies on Identifying Document Types supported by** 387 **Peppol**

388 Document Types are represented by an identifier value and an identifier scheme type
389 which represents the scheme or format of the identifier itself.

390 As outlined in POLICY 2 Document Type Identifier Values must be treated case
391 sensitive.

392 **5.1 Document Type Identifier Schemes**

393 The Peppol Network supports the following Document Type Identifier Schemes that are
394 supported to fit different purposes when advertising receiving capabilities:

- 395 • the scheme “busdix-docid-qns”, supports “exact match”; and
- 396 • the scheme “peppol-doctype-wildcard” (introduced in v4.2.0), supports “exact
397 match” (since v4.3.0) as well as “best match” through the use of a wildcard

398 **5.1.1 busdix-docid-qns**

399 The Document Type Identifier Scheme “busdix-docid-qns” is the original Scheme that
400 was always available in Peppol. It defines the layout for Document Type Identifier Values
401 (see POLICY 20) as well as the matching rules. The matching of identifiers from the
402 SMP is exact matching only, so only Document Type Identifiers that have the same
403 Scheme and the same Value are considered equal.

404 Using this Scheme, Document Type Identifier Values **MUST** be identical for the sending
405 AP (C2¹⁹), the receiving AP (C3²⁰) and the SMP registration (of C4²¹) of the receiving AP
406 in all occurrences. Hence, if the SMP registration for C4 uses the “busdix-docid-qns”
407 scheme, C2 can only initiate a business document exchange if there is an exact
408 Document Type Identifier Value string match.

409 **5.1.2 peppol-doctype-wildcard**

410 The Document Type Identifier Scheme “peppol-doctype-wildcard” was introduced to
411 support the Peppol International Invoicing (PINT) project, which enables receivers to
412 register multiple ‘similar’ receiving capabilities in an SMP, without having the need to
413 register multiple similar SMP endpoints. The goal of this Document Type Identifier

¹⁹ C2 refers to the 2nd corner of the 4-corner model

²⁰ C3 refers to the 3rd corner of the 4-corner model

²¹ C4 refers to the 4th corner of the 4-corner model

414 Scheme is to fulfil the PINT requirements but will also be applicable to similar future
415 requirements.

416 With this Document Type Identifier Scheme, business document receivers can register to
417 receive, in a single entry in their SMP registration, either

- 418 • all Document Types that match the root Document Type or are specialisations of
419 it. Specialised means that some or all features of the Parent Document Type are
420 used and all rules of the Parent Document Type are respected; or
- 421 • an exact Document Type, identical to the behaviour of the “busdix-doxid-qns”
422 Document Type Identifier Scheme (see chapter 5.1.1)

423 Under this Scheme, the layout of Document Type Identifier Values will also follow
424 POLICY 20 except for Customization ID.

425 The following rules for the “Customization ID” apply:

- 426 • [BR-PDC-01] The Customization ID MUST contain one or more “Parts”. Every
427 Part following (i.e., being on the right side of) a previous Part MUST be
428 represented by a more specialised (i.e., further restricted) business specification.
- 429 • [BR-PDC-02] If more than one Part is used in one Customization ID, each
430 individual Part MUST be separated by the character “@” (ASCII Decimal 64) –
431 see examples below. The Separator should be interpreted as “specialised by”.
- 432 • [BR-PDC-03] A Customization ID MUST NOT contain the same Part more than
433 once.
- 434 • [BR-PDC-04] The leftmost Part is called the “Root Part”.
- 435 • [BR-PDC-05] A Part MUST NOT contain any of the characters “*” (ASCII Decimal
436 42), “@” (ASCII Decimal 64) or whitespace characters (ASCII Decimal 9, 10, 11,
437 12, 13, 32, 133, 160).

438 Note: The overall length restrictions imposed by POLICY 1 apply.

439 Note: These rules apply to all Customization IDs in all occurrences.

440 ***Example Customization IDs:***

- 441 • a
 - 442 ○ One Part: a
 - 443 ○ a is the Root Part
- 444 • a@b
 - 445 ○ Two Parts: a and b
 - 446 ○ a is the Root Part

- 447
- `a@b@c@d`
- 448
- Four Parts: `a`, `b`, `c` and `d`
- 449
- `a` is the Root Part

450 The concept of a “Wildcard Indicator” is introduced. It is represented by a “*” character
451 (star or asterisk character, ASCII Decimal 42).

452 The following rules for the Wildcard Indicator apply:

- 453
- [BR-PDW-01] It MUST only be used in combination with the “peppol-doctype-wildcard” scheme.
- 454
- 455
- [BR-PDW-02] It MAY occur in SMP endpoint registrations when using the
- 456 “peppol-doctype-wildcard” scheme. It MUST NOT occur in any other
- 457 standardized occurrences of “Customization IDs” (e.g. Peppol Business Message
- 458 Envelope, AS4 UserMessage and Business Document).

459

 - [BR-PDW-03] If used, it MUST be the last character of the respective

460 Customization ID in an SMP endpoint registration.

461

 - [BR-PDW-04] It MUST be used at maximum once per Identifier Value.

462

 - [BR-PDW-05] If used, it MUST follow a Part. Consequently, a Wildcard Indicator

463 can never follow a Separator (as in `a@*`) and the sole usage of a Wildcard

464 Indicator is also NOT allowed (`*`).

465 ***Examples of valid “peppol-doctype-wildcard” Customization IDs:***

- 466
- `a`
- 467
- `a*`
- 468
- `a@b`
- 469
- `a@b*`
- 470
- `a@b@c@d`
- 471
- `a@b@c@d*`

472 ***Examples of invalid “peppol-doctype-wildcard” Customization IDs:***

- 473
- `a**`
- 474
- Only one Wildcard Character is allowed
- 475
- The Wildcard Character must be the last character
- 476
- Violates rules [BR-PDW-03] and [BR-PDW-04]
- 477
- `a@b@*`

- 478 ○ The Wildcard Character must follow a Part
- 479 ○ Violates rule [BR-PDW-05]
- 480 • `a*@b`
- 481 ○ The Wildcard Character must be the last character
- 482 ○ Violates rule [BR-PDW-03]
- 483 • `*`
- 484 ○ The Wildcard Character must follow a Part
- 485 ○ Violates rule [BR-PDW-05]

486 Note: A Document Type Identifier Value for “busdox-docid-qns” MUST NOT contain the
487 “*” character.

488 5.1.2.1 Matching Document Type Identifiers without Wildcard Indicator

489 The matching of Document Type Identifiers without a valid Wildcard Indicator is exact
490 matching only, so only Document Type Identifiers that have the same Scheme and the
491 same Value are considered equal.

492 **Examples:**

- 493 • SMP registration `a`
- 494 ○ Matches `a`
- 495 ○ Does not match e.g. `a@b`, `a@b@c@d`, `b`, `b@a` or `b@a@c`
- 496 • SMP registration `a@b`
- 497 ○ Matches `a@b`
- 498 ○ Does not match e.g. `a`, `a@b@c`, `a@b@c@d`, `a@c`, `b@a`, or `c@a@b`

499 5.1.2.2 Matching Document Type Identifiers with Wildcard Indicator

500 The following rules for matching Document Type Identifiers with “Wildcard Indicator”
501 apply (for SMP responses):

- 502 • [BR-PDM-01] When matching SMP responses, all the Parts up to the Wildcard
503 Indicator MUST be matched.
- 504 • [BR-PDM-02] When matching SMP responses, the Wildcard Indicator MUST act
505 as a generalization for zero, one or more Parts.
- 506 • [BR-PDM-03] Matching MUST be performed from left to right.

- [BR-PDM-04] A Customization ID that matches more Parts MUST have precedence over a Customization ID with less matching Parts.

Examples:

- SMP registration `a*`
 - Matches e.g. `a`, `a@c` or `a@b@c@d`
 - Does not match e.g. `b`, `b@a` or `b@a@c`
- SMP registration `a@b*`
 - Matches e.g. `a@c`, `a@b@c`, `a@b@c@d`
 - Does not match e.g. `a`, `a@c`, `b@a`, or `c@a@b`
- SMP has a registration for `a*` and `a@b*`
 - Senders wanting to send `a@b@c` must choose the SMP endpoint offered by `a@b*`
 - Senders wanting to send `a@c` must choose the SMP endpoint offered by `a*`
 - Senders wanting to send `a` must choose the SMP endpoint offered by `a*`
 - Senders wanting to send `b@c` will not find a matching SMP endpoint

Note: The usage of this Document Type Identifier Scheme may lead to differences between what the sending AP (C2) queries from the SMP and what the sending AP puts into the Business Message Envelope (always the full Customization ID for the document, without wildcard) to be delivered to the receiving AP (C3).

Note: The Customization ID is embedded into a Document Type Identifier Value as described in chapter 5.2 and needs to be extracted before any matching can be performed.

Note: Matching Document Type Identifiers is usually only done in Access Points and other SMP lookup components. SMP server solutions don't need to perform any matching.

5.1.2.3 Matching Document Type Identifiers precedence rules

A business document receiver may have more than one entry in their SMP registration that matches a single Document Type, in which case the matching precedence rules apply.

If one Participant has an SMP registration that contains entries with and without a Wildcard Indicator, the exact match without a Wildcard Indicator MUST always take precedence.

Examples:

- SMP has a registration for `a*` and `a@b`
 - Senders wanting to send `a` must choose the SMP endpoint offered by `a*`
 - Senders wanting to send `a@b` must choose the SMP endpoint offered by `a@b`
 - Senders wanting to send `a@b@c` must choose the SMP endpoint offered by `a*`
 - Senders wanting to send `a@c` must choose the SMP endpoint offered by `a*`
 - Senders wanting to send `b@c` will not find a matching SMP endpoint

5.1.3 Document Type Identifier Scheme Selection

Any BIS MUST choose to use exactly one specific Document Type Identifier Scheme.

For any BIS, that does not define an explicit Document Type Identifier Scheme, “busdoxidocid-qns” is to be used for backwards compatibility reasons. Any BIS can override the default Document Type Identifier Scheme if there is sufficient value to warrant a different approach. In the event of a particular BIS requiring additional special use, e.g. that exact-match is not supported for some reason, the BIS-specific rules must be added to the BIS.

5.1.4 Comparison between the different Document Type Identifier Schemes

The following table lists the equalities and differences of these Identifier Schemes:

Document Type Identifier Scheme	busdoxidocid-qns	peppol-doctype-wildcard
Value Syntax	POLICY 20 applies The “*” is not allowed	POLICY 20 applies
Customization ID	Defined by a Peppol BIS	At least the Root Part needs to be defined by a Peppol BIS. Not all permutations are known in advance.
Receiver announces in SMP	Full Document Type Identifier	Full Document Type Identifier or Document Type Identifier including a Wildcard Indicator

Sender document type matching	Exact matches only	Exact matches and Wildcard matching
Sender provides in Envelope and Receiver receives in Envelope	Full Document Type Identifier	Full Document Type Identifier without a Wildcard. This value may differ from what is announced in the SMP.

POLICY 16 Document Type Identifier Scheme

The Peppol Document Type Identifier Scheme to be used MUST be one of the following:

busdix-doxid-qns
peppol-doctype-wildcard

Applies to: All Document Type Identifiers in all components

Note: The Document Type Identifier Schemes are case sensitive.

5.2 Document Type Identifier Values

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

- **Syntax specific Identifier:**

This identifies the syntax (e.g. XML) and format (e.g. UBL Invoice) of the document that is being exchanged in the service. E.g. 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:**

An identification of the specification containing the total set of rules regarding semantic content, cardinalities and business rules to which the data contained in the business document conforms. Peppol requirements are documented in Peppol BIS which also indicate the implementation syntax (like UBL). See [Peppol_PostAward] for details.

- **Version Identifier:**

This identifies the version of a document type following the versioning conventions of that specific document syntax and format.

POLICY 17 Customization Identifiers

For “busdix-doxid-qns”:

The Customization Identifier is defined in the relevant Peppol BIS specification.

A Customization Identifier MUST NOT contain “*” (ASCII Decimal 42) or whitespace characters (ASCII Decimal 9, 10, 11, 12, 13, 32, 133, 160).

Applies to: All Document Type Identifiers in all components using the “busdix-doxid-qns” Document Type Identifier Scheme.

Example 1 (from Billing BIS v3):

```
urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0
```

Example 2 (from Order BIS v3):

```
urn:fdc:peppol.eu:poacc:trns:order:3
```

For “peppol-doctype-wildcard”:

The Customization Identifier is assembled from the “Parts” and the separator “@” (ASCII Decimal 64) as described in chapter 5.1.2. At least the “Root Part” is defined in the relevant Peppol BIS specification.

When used in SMP registrations, the “Wildcard Indicator” as described in chapter 5.1.2 MAY be present.

Applies to: All Document Type Identifiers in all components using the “peppol-doctype-wildcard” Document Type Identifier Scheme.

Example 1:

```
urn:peppol:pint:billing-1@jp-1
```

Example 2 (used for SMP registrations only):

```
urn:peppol:pint:billing-1*
```

Example 3 (used for SMP registrations only):

```
urn:peppol:pint:billing-1@jp-1*
```

POLICY 18 Specifying Customization Identifiers in UBL documents

The value for “CustomizationID” element in the UBL document instance must correspond to the Customization ID of the Document Type Identifier.

Applies to: All business documents used in a Peppol BIS with UBL syntax mapping

Example (from Billing BIS v3):

```
<cbc:CustomizationID>urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0</cbc:CustomizationID>
```

POLICY 19 Specifying Customization Identifiers in CII Documents

The value for “//ExchangeDocumentContext/GuidelineSpecifiedDocumentContextParameter/ID” element in the CII document instance must correspond to the Customization ID of the Document Type Identifier.

Applies to: All business documents used in a Peppol BIS with CII syntax mapping

CII example (from Billing BIS v3):

```
<rsm:ExchangedDocumentContext>
  <ram:GuidelineSpecifiedDocumentContextParameter>
    <ram:ID>
urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing
:3.0
    </ram:ID>
  </ram:GuidelineSpecifiedDocumentContextParameter>
</rsm:ExchangedDocumentContext>
```

POLICY 20 Document Type Identifier Value pattern

The format of a Document Type Identifier Value is:

```
<syntax specific id>##<customization id>::<version>
```

<version> is used to reflect the version of the underlying format standard (e.g. the UBL version).

Applies to: All Document Type Identifiers in all components

The Document Type Identifier Value pattern is based on a concatenation of a syntax specific identifier and a subtype identifier in the layout:

```
<syntax specific id>##<subtype Identifier>
```

The two consecutive hash signs ## represent a string literal.

The <syntax specific id> for XML based documents is a concatenation of the document element namespace URI and the document element local name, separated by a double-colon:

```
<document element namespace URI>::<document element local name>
```

The <subtype Identifier> is the combination of customization ID and version.

Therefore, the final structure of the pattern is:

```
<syntax specific id>##<customization id>::<version>
```

When representing document type identifiers in URLs, the document identifier itself will be prefixed with the scheme identifier (see POLICY 16) following two colons:

```
<scheme identifier>::<syntax specific id>##<customization id>::<version>
```

This string must be percent encoded if used in a URL.

Example (from Billing BIS v3):

The following example denotes a Document Type that is a UBL 2.1 Invoice conforming to the Peppol Billing BIS v3.


```
urn:oasis:names:specification:ubl:schema:xsd:Invoice-
2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:p
oacc:billing:3.0::2.1
```

Syntax specific ID	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice
XML document element namespace URI	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2
XML document element local name	Invoice
Customization ID	urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0
Version	2.1

Example (using a Wildcard Customization ID):

The following example denotes a Document Type for usage in an SMP registration that is a UBL 2.1 Invoice conforming to an example Customization ID.

```
urn:oasis:names:specification:ubl:schema:xsd:Invoice-
2::Invoice##urn:peppol:pint:billing-1*::2.1
```

Syntax specific ID	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice
XML document element namespace URI	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2
XML document element local name	Invoice
Customization ID	urn:peppol:pint:billing-1*
Version	2.1

POLICY 21 Specifying Document Type Identifiers in SMP documents

The value for the “scheme” attribute must be one of the values listed in POLICY 16 and the element value must be the Document Type Identifier itself.

Applies to: All XML documents used in the SMP

Example (using busdox-docid-qns):

```
<DocumentIdentifier scheme="busdox-docid-qns">
urn:oasis:names:specification:ubl:schema:xsd:Invoice-
2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:p
oacc:billing:3.0::2.1
</DocumentIdentifier>
```

Example (using peppol-doctype-wildcard with a Wildcard Indicator):

```
<DocumentIdentifier scheme="peppol-doctype-wildcard">
urn:oasis:names:specification:ubl:schema:xsd:Invoice-
2::Invoice##urn:peppol:pint:billing-1*::2.1
</DocumentIdentifier>
```

Example (using peppol-doctype-wildcard without a Wildcard Indicator):

```
<DocumentIdentifier scheme="peppol-doctype-wildcard">
urn:oasis:names:specification:ubl:schema:xsd:Invoice-
2::Invoice##urn:peppol:pint:billing-1@jp-1::2.1
</DocumentIdentifier>
```

Note: The Wildcard Indicator (“*”) is optional for Customization IDs in SMP registrations using the “peppol-doctype-wildcard” Document Type Identifier Scheme.

POLICY 22 Specifying Document Type Identifiers in the Envelope (SBDH)

When the “//BusinessScope/Scope/Type” element value is “DOCUMENTID”, the value for the “//BusinessScope/Scope/Identifier” element must be one of the values listed in POLICY 16 and the value of the element “//BusinessScope/Scope/InstanceIdentifier” must be the Document Type Identifier Value itself.

Applies to: All instances of the Peppol Business Message Envelope (SBDH)

Example (using busdox-docid-qns):

```
<BusinessScope>
  <Scope>
    <Type>DOCUMENTID</Type>
    <InstanceIdentifier>
urn:oasis:names:specification:ubl:schema:xsd:Invoice-
2::Invoice##urn:www.cenbii.eu:transaction:biitrns010:ver2.0:extended:u
rn:www.peppol.eu:bis:peppol4a:ver2.0::2.1</InstanceIdentifier>
    <Identifier>busdox-docid-qns</Identifier>
  </Scope>
</BusinessScope>
```

Note: The order of elements is defined by the Standard Business Document Header XML Schema.

Example (using peppol-doctype-wildcard):

```

709 <BusinessScope>
710   <Scope>
711     <Type>DOCUMENTID</Type>
712     <InstanceIdentifier>
713 urn:oasis:names:specification:ubl:schema:xsd:Invoice-
714 2::Invoice##urn:peppol:pint:selfbilling-1@jp-
715 1::2.1</InstanceIdentifier>
716     <Identifier>peppol-doctype-wildcard</Identifier>
717   </Scope>
718 </BusinessScope>

```

719 Note: The order of elements is defined by the Standard Business Document Header
720 XML Schema.

721 Note: The Wildcard Indicator MUST NOT be used in the SBDH.

722 **POLICY 23 Document Type Identifier Values**

723 All valid Document Type Identifier Values are defined in [Peppol_CodeList].

724 Applies to: All Document Type Identifiers in all components, except for SMP document
725 using a Wildcard Customization ID

726 **POLICY 23a Document Type Identifier Values Code List States**

727 Code List rows in [Peppol_CodeList] with the state "deprecated" MUST NOT be used for
728 new SMP endpoint registrations, rows with the state "removed" MUST NOT be used at all.

729 Applies to: All Document Type Identifiers in all components

730 Note: It is important to note that this is a dynamic list. Over time new services will be
731 added. Developers should take this into account when designing and implementing
732 solutions for Peppol services.

733 **POLICY 23b Abstract Document Type Identifiers**

734 Document instances MUST NOT use a Document Type Identifier marked as "abstract" in
735 [Peppol_CodeList].

736 Document Type Identifiers marked as "abstract" in [Peppol_CodeList] MUST only be used in
737 SMP endpoint registrations in combination with the Document Type Identifier Scheme
738 "peppol-doctype-wildcard" and a mandatory Wildcard Indicator.

739 Applies to: All Document Type Identifiers in all components

740 Note: The word "abstract" indicates, that such Document Type Identifiers are not
741 instantiable and as such can never directly appear in business documents.

7426 Policy for Peppol Process Identifiers

743 Process Identifiers define the orchestrations in which business documents are
744 exchanged. A Process Identifier Value is referenced in a Peppol BIS specification as
745 “profile identifier”.

746 As outlined in POLICY 2 Peppol process identifiers must be treated case sensitive.

747 **POLICY 24 Process Identifier Scheme**

748 The Peppol Process Identifier Scheme is:
749 `cenbii-procid-ubl`

750 Applies to: All Process Identifiers in all components

751 Note: this scheme identifier is always case sensitive

752 **POLICY 25 Process Identifier Value**

753 All valid Process Identifier Values are defined in [Peppol_CodeList].
754 Process Identifier Values MUST NOT contain whitespace characters.

755 Applies to: All Process Identifiers in all components

756 **Example 1 (from Billing BIS v3):**

757 `urn:fdc:peppol.eu:2017:poacc:billing:01:1.0`

758 **Example 2 (from Order BIS v3):**

759 `urn:fdc:peppol.eu:poacc:bis:ordering:3`

760 **POLICY 25a Process Identifier Value Code List States**

761 Code List Rows in [Peppol_CodeList] with the state “deprecated” MUST NOT be used for
762 new SMP endpoint registrations, rows with the state “removed” MUST NOT be used at all.

763 Applies to: All Process Identifiers in all components

764 Note: It is important to note that this is a dynamic list. Over time new services will be
765 added. Developers should take this into account when designing and implementing
766 solutions for Peppol services.

767 **POLICY 26 Specifying Process Identifiers in the Envelope (SBDH)**

768 When the “//BusinessScope/Scope/Type” element value is “PROCESSID”, the value for the
769 “//BusinessScope/Scope/Identifier” element must be “cenbii-procid-ubl” (see POLICY 24)
770 and the value of the element “//BusinessScope/Scope/InstanceIdentifier” must be the
771 Process Identifier Value itself.

772 Applies to: All instances of the Peppol Business Message Envelope (SBDH)

Example:

```
<BusinessScope>
  <Scope>
    <Type>PROCESSID</Type>
    <InstanceIdentifier>
urn:fdc:peppol.eu:2017:poacc:billing:01:1.0</InstanceIdentifier>
    <Identifier>cenbii-procid-ubl</Identifier>
  </Scope>
</BusinessScope>
```

Note: The order of elements is defined by the Standard Business Document Header XML Schema.

POLICY 27 Specifying Process Identifiers in SMP documents

The value for the scheme attribute SHOULD be "cenbii-procid-ubl" (see POLICY 24) and the element value MUST be the process identifier itself.

Applies to: XML documents used in the SMP

Example 1 (from Billing BIS v3):

```
<ProcessIdentifier scheme="cenbii-procid-ubl"
>urn:fdc:peppol.eu:2017:poacc:billing:01:1.0</ProcessIdentifier>
```

Example 2 (from Order BIS v3):

```
<ProcessIdentifier scheme="cenbii-procid-ubl"
> urn:fdc:peppol.eu:poacc:bis:ordering:3</ProcessIdentifier>
```

Policy on Identifying Transport Profiles in Peppol

7.1 SMP

The Peppol Transport Infrastructure supports different transport protocols. Each endpoint registered in an SMP is required to provide a transport profile identifying the used transport.

POLICY 28 Transport Profile Values

All valid Transport Profile Values are defined in [Peppol_CodeList].

Applies to: All XML documents used in the SMP

POLICY 28a Transport Profile Value Code List States

Rows in [Peppol_CodeList] with the state "deprecated" MUST NOT be used for new SMP endpoint registrations, rows with the state "removed" MUST NOT be used at all.

805 Applies to: All XML documents used in the SMP

806 Note: It is important to note that this is a dynamic list. Over time new services will be
807 added. Developers should take this into account when designing and implementing
808 solutions for Peppol services.

809 **POLICY 29 Specifying Transport Profiles in SMP documents**

810 The Transport Profile identifier **MUST** be placed in the “transportProfile” attribute of the SMP
811 “Endpoint” element.

812 The value of the “transportProfile” attribute is case sensitive.

813 Applies to: All XML documents used in the SMP

814 **Example (AS4 profile v2):**

```
815 <Endpoint transportProfile="peppol-transport-as4-v2_0">  
816   ...  
817 </Endpoint>
```

818 **Governance of this Policy**

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

821 This policy document together with the code lists for Identifier Schemes, Document Type
822 Identifiers, Process Identifiers and Transport Profiles is maintained by the Peppol
823 Transport Infrastructure Coordinating Community (TICC).

824 To ensure sustainability and proper governance of Identifier Schemes it is proposed to
825 include only Identifier Schemes in the scope of:

- 826 1. It should be verified, whether an inclusion in the official ISO 6523 code list is
827 possible
- 828 2. International recognized standard schemes (e.g. CEN, ISO, UN/ECE)
- 829 3. International de-facto accepted schemes (e.g. OASIS)
- 830 4. Nationally defined schemes

831 It shall be ensured that each Identifier Scheme provider:

- 832 1. Recognizes any organisation wishing to allocate unique Party identifiers as part
833 of Peppol. An individual organisation or company wishing to issue unique
834 identifiers shall do so through officially recognized umbrella organisations such as
835 their trade associations, network provider or a public or state agency;
- 836 2. Has defined rules so that a unique party identifier is only re-issued after the
837 previously issued unique identifier has ceased to be of significant to any user.

838 The length of such period should be dependent upon the environment in which
839 the unique identifier will be used.

840 These rules mirror those of an ISO 15459 registration Authority and will support the
841 option to transfer the responsibility that authority as part of the Peppol sustainability
842 programme.