



Specification



OpenPEPPOL AISBL



Peppol Transport Infrastructure ICT - Models

Policy for use of Identifiers



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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
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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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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]	http://www.peppol.eu/
[Peppol_PostAward]	https://peppol.eu/downloads/post-award/
[Peppol_Transp]	https://peppol.eu/downloads/the-peppol-edelivery-network-specifications/
[Peppol_CodeList]	https://docs.peppol.eu/edelivery/codelists/
[CEN_BII]	http://cenbii.eu/deliverables/cen-bii/
[CEN_BII2]	http://cenbii.eu/deliverables/cen-bii-2/
[CEN_BII2_Guideline]	ftp://ftp.cen.eu/public/CWAs/BII2/CWA16558/CWA16558-Annex-C-BII-Guideline-ConformanceAndCustomizations-V1_0_0.pdf
[ISO 15459]	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=43349
[ISO 9735 Service Code List (0007)]	http://www.unece.org/trade/untdid/download/r1241.txt
[ISO 6523]	http://www.iso.org/iso/catalogue_detail?csnumber=25773
[OASIS UBL]	http://docs.oasis-open.org/ubl/os-UBL-2.1/UBL-2.1.html http://docs.oasis-open.org/ubl/os-UBL-2.1/UBL-2.1.zip
[OASIS UBL22]	http://docs.oasis-open.org/ubl/os-UBL-2.2/UBL-2.2.html http://docs.oasis-open.org/ubl/os-UBL-2.2/UBL-2.2.zip
[OASIS ebCore]	http://docs.oasis-open.org/ebcore/PartyIdType/v1.0/CD03/PartyIdType-1.0.html
[RFC3986]	https://tools.ietf.org/html/rfc3986
[UN/CEFACT]	http://www.unece.org/cefact/

11
12

13 **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

14 **2 Introduction to identifiers**

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

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

24 **2.1 Scope**

25 **2.1.1 The policy of a federated scheme for identifying Parties⁵**

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

30 Within each business document there are also Parties taking on business roles such as customer and
31 supplier, etc. Clearly there may be relationships between these Parties and the Participant Identifier.
32 Sometimes the Supplier Party is the receiver Participant for an Order document. Another example is
33 that an Invoice may contain an identifier for EndpointID that equates to the receiver Participant in
34 the SMP. But neither of these are reliable rules. Business standards (such as EN 16931) and
35 agreements (such as BII profiles) do not (deliberately) include any ‘envelope’ information linking the
36 document content to the transport infrastructure. The relationship between identifiers within
37 Documents and identifiers used in the transport infrastructure is not defined in the specifications.

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

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

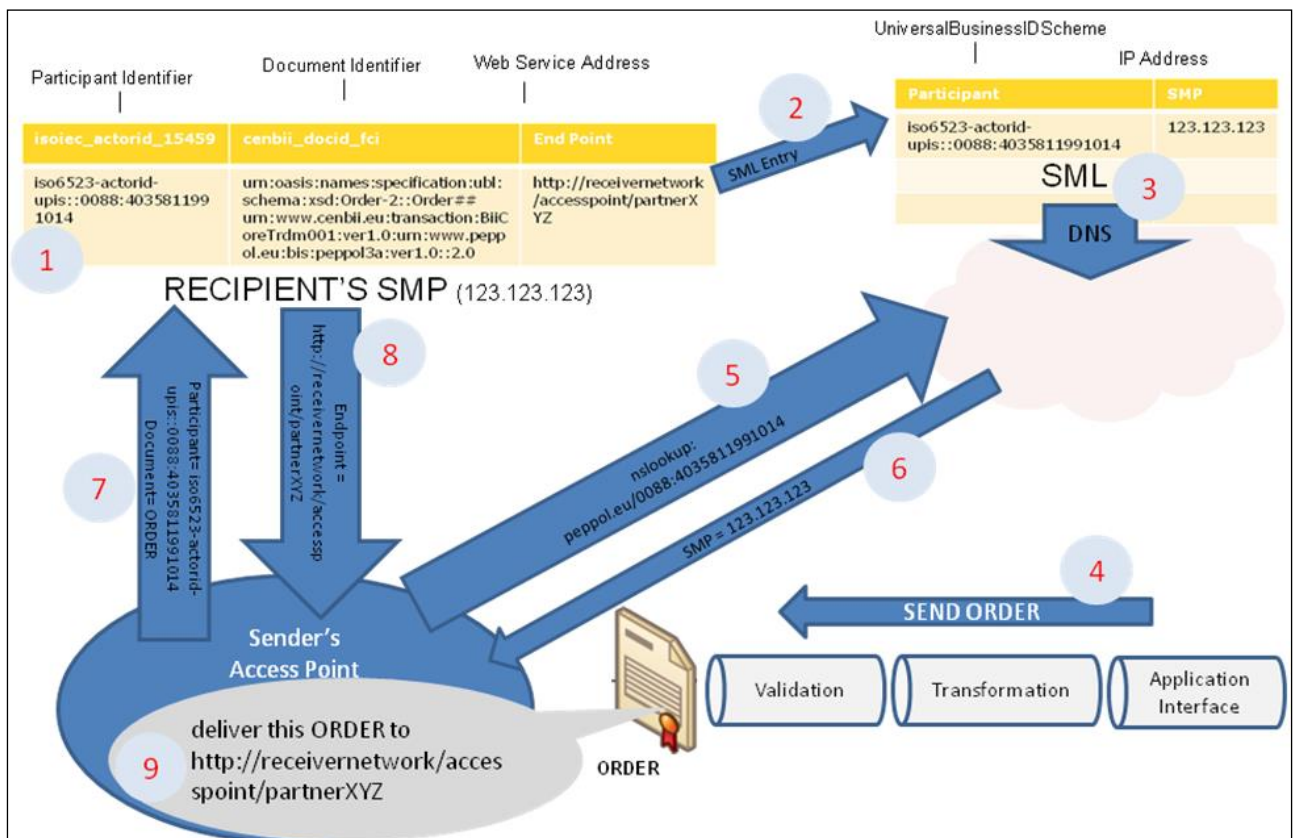
45 **2.1.2 The policy for identifying Documents and Services used in Peppol implementation of** 46 **the Peppol eDelivery Network**

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

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.

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

54 The diagram below shows the relationship of these information elements.



55
 56 Peppol has set up Business Interoperability Specifications (BIS) explaining how business documents
 57 need to be filled from a semantical and technical point of view.

58 2.1.3 Semantic scope

59 This document covers the following areas:

- 60 ▶ Participant identification
 - 61 ▶▶ Identification of a technical entity in the Peppol eDelivery network
 - 62 ▶▶ Can be used in transport documents and (where needed) in business documents
- 63 ▶ Party identification
 - 64 ▶▶ Identification of a business entity
 - 65 ▶▶ Usually only used in business documents
- 66 ▶ Document type identification
- 67 ▶ Process identification
- 68 ▶ Transport profile identification

69 2.1.4 Relation to Peppol BIS versions 1 and 2

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

72 2.2 Participant vs. Party Identification

73 The following aspects are addressed in this document:

- 74 1. The Peppol code list of Party Identification schemes used in business documents.

75 2. The Peppol code list of Participant Identification schemes used in metadata as well as in
76 business documents.

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

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

84 ▶ For Peppol, it will be part of the Peppol SMP Provider agreement that SMP Providers have
85 suitable governance of their identification schemes when they enter, update and delete
86 information on their SMP.

87 ▶ Within the content of business documents, each Peppol Participant will be responsible for
88 using the appropriate Peppol Party Identifier.

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

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

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

99 2.3 Common Policies

100 POLICY 1 Usage of ISO15459

101 Participant Identifiers should adhere to the following constraints:

- 102 ▪ MUST be at least 1 character long (excluding the identifier scheme)
- 103 ▪ MUST NOT be more than 50 characters long (excluding the identifier scheme)
- 104 ▪ MUST only contain letters (a-z), numeric digits (0-9), the minus sign (-), the period character (.), the
105 underscore character (_) or the tilde character (~) from the invariant character set of ISO-8859-1¹³

106 Party Identifiers should adhere to the following constraints:

- 107 ▪ MUST be at least 1 character long (excluding the identifier scheme)
- 108 ▪ MUST NOT be more than 50 characters long (excluding the identifier scheme)
- 109 ▪ MUST only contain characters from the invariant character set of ISO-8859-1

110 Document Type Identifiers should adhere to the following constraints:
111
112

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

¹³ Based on the unreserved characters of [RFC3986]



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

116
117 Process Identifiers should adhere to the following constraints:

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

121
122 Transport Profile Identifiers should adhere to the following constraints:

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

126
127 Applies to: all above mentioned types of identifiers in all Peppol components

128 **POLICY 2 Identifier Value casing**

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

130
131 All Party Identifier values have to be treated case insensitive even if the underlying scheme requires a case sensitive value.

132
133 All Document Type Identifier values have to be treated case sensitive.

134 All Process Identifier values have to be treated case sensitive.

135 All Transport Profile Identifiers have to be treated case sensitive.

136 Applies to: all identifiers in all Peppol components

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

138 **Examples:**

139 Participant Identifier value "0088:abc" is equal to "0088:ABc"

140 Participant Identifier value "0088:abc" is NOT equal to "0010:abc"

141

142 Document Type Identifier value

143 urn:oasis:names:specification:ubl:schema:xsd:Invoice-
144 2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:p
145 oacc:billing:3.0::2.1

146 is NOT equal to

147 URN:OASIS:NAMES:SPECIFICATION:UBL:SCHEMA:XSD:INVOICE-
148 2::INVOICE##URN:CEN.EU:EN16931:2017#COMPLIANT#URN:FDC:Peppol.EU:2017:P
149 OACC:BILLING:3.0::2.1

150

151 Process Identifier value

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

153 is NOT equal to

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

155 **3 Policy for Peppol Participant Identification**

156 Participant identifiers relate to technical entities and are used in transport level document as well as
157 in business documents.

158 **3.1 Format**

159 **POLICY 3 Use of ISO15459 structure**

160 Participant Identifier values used in Peppol are comprised of:

- 161 - An Identifier Scheme
- 162 - The value provided by this Identifier Scheme

163 Applies to: all Participant identifiers in all Peppol components

164 **Example:**

165 Identifier Scheme: EAN International

166 Identifier Scheme according to [Peppol_CodeList]: 0088

167 Value provided by the Identifier Scheme: 1234567890128

168 **POLICY 4 Coding of Identifier Schemes**

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

171 This list is currently maintained by OpenPEPPOL.

172 Applies to: all Participant identifiers in all Peppol components

173 **3.2 Identifier Scheme values**

174 The values for the initial Peppol identifier Scheme Code list were taken from the NESUBL PartyID
175 code list¹⁴ but this has been extended to cover use by all Peppol participants and includes other
176 known Identifier Schemes (from e.g. ISO 6523¹⁵).

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

- 180 1. International recognized standard schemes, then
- 181 2. International de-facto accepted schemes, then
- 182 3. Nationally defined schemes

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

- 185 1. ISO 6523 International Code Designator (if known), or
- 186 2. ISO 9735 Identification code qualifier (if known), or
- 187 3. An incremental number starting from 9900 (issued by Peppol)

¹⁴ See chapter 2.23:

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

¹⁵ See http://en.wikipedia.org/wiki/ISO_6523

188 Even though these numeric values are based on ISO code sets, they form a separate Peppol code list
 189 because they contain additional values. Therefore the Issuing Agency for all numeric codes is Peppol
 190 and not ISO 6523.

191 The normative version of the code list is available at [Peppol_CodeList].

192 Note: rows marked as deprecated should not be used for newly issued documents, as the respective
 193 identifier issuing agency is no longer active/valid. Deprecated Issuing Agency Codes may however not
 194 be reused for different agencies as existing exchanged documents may refer to them.

195 **POLICY 5 Participant Identifier Meta Scheme**

196 The Peppol Participant Identifier Meta Scheme is:

197 `iso6523-actorid-upis`

198 Applies to: all Participant Identifiers in all Peppol components

199 Note: this Meta Scheme is always case sensitive – only the Participant Identifier value is case
 200 insensitive (see POLICY 2).

201 Note: the Participant Identifier Meta Scheme may be omitted in documents because it is constant.

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

203 The numeric ISO 6523 code set as used in Peppol include additional code values not part of the
 204 official ISO 6523 code set and so cannot be referred to as the official ISO 6523 code set¹⁶. The codes
 205 starting with “99” are extending this code set and are called “extended values”. For convenience the
 206 term “ISO 6523” is used for all codes and indicates the origin of many code values used.

207 Applies to: all participant identifiers in all Peppol components

208 A normative list of all Peppol Participant Identifier Schemes and metadata can be found at
 209 [Peppol_CodeList]. Note: entries marked as deprecated should not be used for newly issued
 210 documents, as the respective Participant Identifier Scheme is no longer active/valid. Deprecated
 211 scheme IDs may however not be reused for different Participant Identifier Schemes as existing
 212 exchanged documents may refer to them.

213 **POLICY 7 Participant Identifiers for DNS**

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

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

216 Applies to: the resolution of Peppol Participant Identifiers for SMP clients

217 Explanation:

<code><hash-of-value></code>	<p>Is the string representation of the MD5 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 MD5 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 MD5 hash value is generated after the identifier value has been lowercased because according to POLICY 2 participant identifiers</p>
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¹⁶ ISO 6523 is currently under revision after a 25 year working period; the new version will meet requirements imposed by technological development.

	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").
<scheme>	Is the identifier scheme value ("iso6523-actorid-upis" in Peppol) and is added "as is" into the DNS name ¹⁷ . A scheme identifier may only contain the following characters: only contain the following characters: [a-z], [0-9], [-]. A scheme identifier SHOULD be as short as possible, and MUST NOT exceed 25 characters.
<SML-zone-name>	Is the DNS domain name of the SML zone (e.g. "edelivery.tech.ec.europa.eu." – mind the trailing dot).

218 Example:

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

```
221 B-f5e78500450d37de5aabe6648ac3bb70.iso6523-actorid-upis.  
222 edelivery.tech.ec.europa.eu.
```

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

225 POLICY 8 XML attributes for Participant Identifiers in SMP responses

226 The "scheme" attribute must be populated with the value "iso6523-actorid-upis" (see POLICY 5) in all
227 instances of the "ParticipantIdentifier" element.

228 Applies to: XML documents used in the SMP

229 Example 1:

230 The following example from an SMP exchange denotes that the SMP Endpoint is identified using the
231 ISO 6523 ICD value in the OpenPEPPOL set of Participant Identifier Schemes. This in turn has a
232 numeric value of 0088 meaning that the party has a GLN number with the value of
233 7300010000001.

```
234 <ParticipantIdentifier scheme="iso6523-actorid-upis"  
235 >0088:7300010000001</ParticipantIdentifier>
```

236 Example 2:

237 The following example denotes that the SMP Endpoint is identified using the ISO 6523 ICD value in
238 the OpenPEPPOL set of Participant Identifier Schemes. This in turn has a numeric value of 0002
239 meaning that the party has a French SIRENE identifier with the value of 542034942.

```
240 <ParticipantIdentifier scheme="iso6523-actorid-upis"  
241 >0002:542034942</ParticipantIdentifier>
```

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

242 **POLICY 9 XML attributes for Electronic Address IDs (EndpointID) in UBL** 243 **documents**

244 The “schemeID” attribute MUST be populated in all instances of the “EndpointID” element when
245 used within a “Party” element. The only valid values are defined in the [Peppol_CodeList] as “ICD
246 value”.

247 Extended values starting with “99” as indicated by POLICY 6 MAY be used.

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

249 **Example:**

```
250 <cac:Party>
251   <cbc:EndpointID schemeID="0088">7300010000001</cbc:EndpointID>
252 </cac:Party>
```

253 **POLICY 10 XML attributes for Electronic address IDs in CII documents**

254 The “schemeID” attribute MUST be populated in all instances of the
255 “ram:URIUniversalCommunication/ram:URIID” element when used within a “Party” element. The
256 only valid values are defined in the [Peppol_CodeList] as “ICD value”.

257 Extended values starting with “99” as indicated by POLICY 6 MAY be used.

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

259 **Example:**

```
260 <ram:BuyerTradeParty>
261   <ram:URIUniversalCommunication>
262     <ram:URIID schemeID="0088">7300010000001</ram:URIID>
263   </ram:URIUniversalCommunication>
264 </ram:BuyerTradeParty>
```

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

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

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

269 **Example 1:**

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

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

278 **Example 2:**

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

```
283 <Receiver>
```


284
285
286

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

287 **4 Policy for Peppol Party Identification**

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

289 **4.1 Format**

290 **POLICY 12 Use of ISO15459 structure**

291 Party Identifier values used in Peppol are comprised of:

- 292 - An optional Identifier Scheme
- 293 - The value provided by this Identifier Scheme

294 Applies to: all Party identifiers in all Peppol components

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

296 **Example:**

297 Identifier Scheme: EAN International

298 Identifier Scheme according to ISO 6523: 0088

299 Value provided by the Identifier Scheme: 1234567890128

300 **POLICY 13 Coding of Identifier Schemes**

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

303 Applies to: all Party identifiers in all Peppol components

304 **POLICY 14 XML attributes for Party Identifiers in UBL documents**

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

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

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

312 **Example 1:**

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

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

318 **Example 2:**

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

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

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

324 **POLICY 15 XML attributes for Party Identifiers in CII documents**

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

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

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

332 **Example 1:**

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

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

338 **Example 2:**

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

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

344 5 Policies on Identifying Document Types supported by 345 Peppol

346 Document types used in Peppol are identified using the concepts defined in the Peppol Identifier
347 Schemes Version 1.0.0 (see [Peppol_Transp]). As outlined in POLICY 2 document type identifier
348 values have to be treated case sensitive.

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

- 350 ▶ **Syntax specific Identifier:**
351 This identifies the syntax (e.g. XML) and format (e.g. UBL Invoice) of the document that is
352 being exchanged in the service. E.g. for XML documents, the root element namespace (the
353 namespace of the schema defining the root element) and document element local name (the
354 name of the root element) are concatenated using the “::” delimiter to define the syntax of
355 the XML document.
- 356 ▶ **Customization Identifier:**
357 An identification of the specification containing the total set of rules regarding semantic
358 content, cardinalities and business rules to which the data contained in the business
359 document conforms. Peppol requirements are documented in Peppol BIS which also indicate
360 the implementation syntax (like UBL). See [Peppol_PostAward] for details.
- 361 ▶ **Version Identifier:**
362 This identifies the version of a document type following the versioning conventions of that
363 specific document syntax and format.

364 POLICY 16 Document Type Identifier scheme

365 The Peppol document type identifier scheme to be used is:
366 `busdox-docid-qns`

367 Applies to: all Document Type Identifiers in all components

368 Note: this scheme identifier is always case sensitive

369 POLICY 17 Customization Identifiers

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

371 A Customization Identifier MUST NOT contain whitespace characters.

372 Applies to: all Document Type Identifiers in all components

373 Example 1 (from Billing BIS v3):

374 `urn:cen.eu:en16931:2017#compliant#urn:fdc.peppol.eu:2017:poacc:billing`
375 `:3.0`

376 Example 2 (from Order BIS v2):

377 `urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppo`
378 `l.eu:bis:peppol3a:ver2.0`

379 POLICY 18 Specifying Customization Identifiers in UBL documents

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

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

383 Example (from Billing BIS v3):

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

386 POLICY 19 Specifying Customization Identifiers in CII Documents

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

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

391 CII example (from Billing BIS v3):

```
392 <rsm:ExchangedDocumentContext>
393   <ram:GuidelineSpecifiedDocumentContextParameter>
394     <ram:ID>
395     urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing
396     :3.0
397     </ram:ID>
398   </ram:GuidelineSpecifiedDocumentContextParameter>
399 </rsm:ExchangedDocumentContext>
```

400 POLICY 20 Document Type Identifier Value pattern

401 The format of a Document Type Identifier Value is:
402 <syntax specific id>##<customization id>::<version>
403 <version> is used to reflect the version of the underlying format standard (e.g. the UBL version).

404 Applies to: all Document Type Identifiers in all components

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

```
407 <syntax specific id>[##<subtype Identifier>]
```

408 Everything between “[“ and “]” denotes an optional part and ## is a string literal.

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

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

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

413 Therefore, the final structure of the pattern is:

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

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

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

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

419 Example (from Billing BIS v3):

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

```
422 urn:oasis:names:specification:ubl:schema:xsd:Invoice-
423 2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:p
424 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

425 **POLICY 21 Specifying Document Type Identifiers in SMP documents**

426 The value for the “scheme” attribute must be “busdox-docid-qns” (see POLICY 16) and the element
427 value must be the document type identifier itself.

428 Applies to: all XML documents used in the SMP

429 **Example (from Billing BIS v3):**

```
430 <DocumentIdentifier scheme="busdox-docid-qns">
431 urn:oasis:names:specification:ubl:schema:xsd:Invoice-
432 2::Invoice##urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:p
433 oacc:billing:3.0::2.1
434 </DocumentIdentifier>
```

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

436 When the “//BusinessScope/Scope/Type” element value is “DOCUMENTID”, the value for the
437 “//BusinessScope/Scope/Identifier” element must be “busdox-docid-qns” (see POLICY 16) and the
438 value of the element “//BusinessScope/Scope/InstanceIdentifier” must be the document type
439 identifier itself.

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

441 **Example:**

```
442 <BusinessScope>
443   <Scope>
444     <Type>DOCUMENTID</Type>
445     <InstanceIdentifier>
446 urn:oasis:names:specification:ubl:schema:xsd:Invoice-
447 2::Invoice##urn:www.cenbii.eu:transaction:biitrns010:ver2.0:extended:u
448 rn:www.peppol.eu:bis:peppol4a:ver2.0::2.1</InstanceIdentifier>
449     <Identifier>busdox-docid-qns</Identifier>
450   </Scope>
451 </BusinessScope>
```

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

453 **POLICY 23 Document Type Identifier Values**

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

455 Applies to: all Document Type Identifiers in all components

456 Rows in [Peppol_CodeList] marked as "deprecated" should not be used for newly issued documents.
457 It is important to note that this is a dynamic list. Over time new services will be added. Developers
458 should take this into account when designing and implementing solutions for Peppol services.



459 6 Policy for Peppol Process Identifiers

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

462 As outlined in POLICY 2 Peppol process identifiers have to be treated case sensitive.

463 POLICY 24 Process Identifier Scheme

464 The Peppol Process Identifier Scheme is:

465 `cenbii-procid-ubl`

466 Applies to: all Process Identifiers in all components

467 Note: this scheme identifier is always case sensitive

468 POLICY 25 Process Identifier Value

469 All valid Process Identifier Values are defined in [Peppol_CodeList].

470 Process Identifier Values MUST NOT contain whitespace characters.

471 Applies to: all Process Identifiers in all components

472 Example 1 (from Billing BIS v3):

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

474 Example 2 (from Order BIS v2):

475 `urn:www.cenbii.eu:profile:bii03:ver2.0`

476 Rows in [Peppol_CodeList] marked as "deprecated" should not be used for newly issued documents.

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

479 POLICY 26 Specifying Process Identifiers in the Envelope (SBDH)

480 When the “//BusinessScope/Scope/Type” element value is “PROCESSID”, the value for the
481 “//BusinessScope/Scope/Identifier” element must be “cenbii-procid-ubl” (see POLICY 24) and the
482 value of the element “//BusinessScope/Scope/InstanceIdentifier” must be the process identifier
483 itself.

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

485 Example:

```
486 <BusinessScope>
487   <Scope>
488     <Type>PROCESSID</Type>
489     <InstanceIdentifier>
490     urn:www.cenbii.eu:profile:bii04:ver1.0</InstanceIdentifier>
491     <Identifier>cenbii-procid-ubl</Identifier>
492   </Scope>
493 </BusinessScope>
```

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

495 POLICY 27 Specifying Process Identifiers in SMP documents

496 The value for the scheme attribute should be “cenbii-procid-ubl” (see POLICY 24) and the element
497 value must be the process identifier itself.

498 Applies to: XML documents used in the SMP

499 **Example 1 (CEN/BII):**

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

502 **Example 2 (CEN/BII2):**

503 `<ProcessIdentifier scheme="cenbii-procid-`
504 `ubl">urn:www.cenbii.eu:profile:bii03:ver2.0</ProcessIdentifier>`

505 **7 Policy on Identifying Transport Profiles in Peppol**

506 **7.1 SMP**

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

509 **POLICY 28 Transport Profile Values**

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

511 Applies to: all XML documents used in the SMP

512 Rows in [Peppol_CodeList] marked as "deprecated" should not be used for newly issued documents.
513 It is important to note that this is a dynamic list. Over time new services will be added. Developers
514 should take this into account when designing and implementing solutions for Peppol services.

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

516 The Transport Profile identifier must be placed in the "transportProfile" attribute of the SMP
517 "Endpoint" element.

518 The value of the "transportProfile" attribute is case sensitive.

519 Applies to: all XML documents used in the SMP

520 **Example 1 (AS2):**

```
521 <Endpoint transportProfile="busdox-transport-as2-ver1p0">  
522   ...  
523 </Endpoint>
```

524 **Example 2 (AS4 profile v2):**

```
525 <Endpoint transportProfile="peppol-transport-as4-v2_0">  
526   ...  
527 </Endpoint>
```

528 **8 Governance of this Policy**

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

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

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

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

540 It shall be ensured that each Identifier Scheme provider:

- 541 1. Recognizes any organisation wishing to allocate unique Party identifiers as part of Peppol. An
542 individual organisation or company wishing to issue unique identifiers shall do so through
543 officially recognized umbrella organisations such as their trade associations, network
544 provider or a public or state agency;
- 545 2. Has defined rules so that a unique party identifier is only re-issued after the previously issued
546 unique identifier has ceased to be of significant to any user. The length of such period should
547 be dependent upon the environment in which the unique identifier will be used.

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