



Specification

OpenPEPPOL AISBL

PEPPOL Transport Infrastructure ICT - Models

Policy for use of Identifiers

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1 Introduction

1.1 Audience

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

- ICT Architects
- ICT Developers
- Business Experts

1.2 Implementation and support

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

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

1.3 References

[PEPPOL]	http://www.peppol.eu/
[PEPPOL_EIA]	http://www.peppol.eu/peppol_components/peppol-eia/eia
[PEPPOL_PostAward]	http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/post-award-e-procurement/models
[PEPPOL_Transp]	http://www.peppol.eu/peppol_components/peppol-eia/eia#ict-architecture/transport-infrastructure/models
[CEN_BII]	http://www.cen.eu/cwa/bii/specs
[CEN_BII2]	http://www.cenbii.eu
[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.gefeg.com/jswg/cl/v41/40107/cl3.htm
[ISO 6523]	http://www.iso.org/iso/catalogue_detail?csnumber=25773
[OASIS UBL]	http://docs.oasis-open.org/ubl/os-UBL-2.0/UBL-2.0.html http://docs.oasis-open.org/ubl/os-UBL-2.0.zip
[OASIS ebCore]	http://docs.oasis-open.org/ebcore/PartyIdType/v1.0/CD03/PartyIdType-1.0.html

[UN/CEFACT]	http://www.unece.org/cefact/
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2 Introduction to identifiers

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

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

2.1 Scope

1. The policy of a federated⁴ scheme for identifying Parties.

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

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

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

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

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

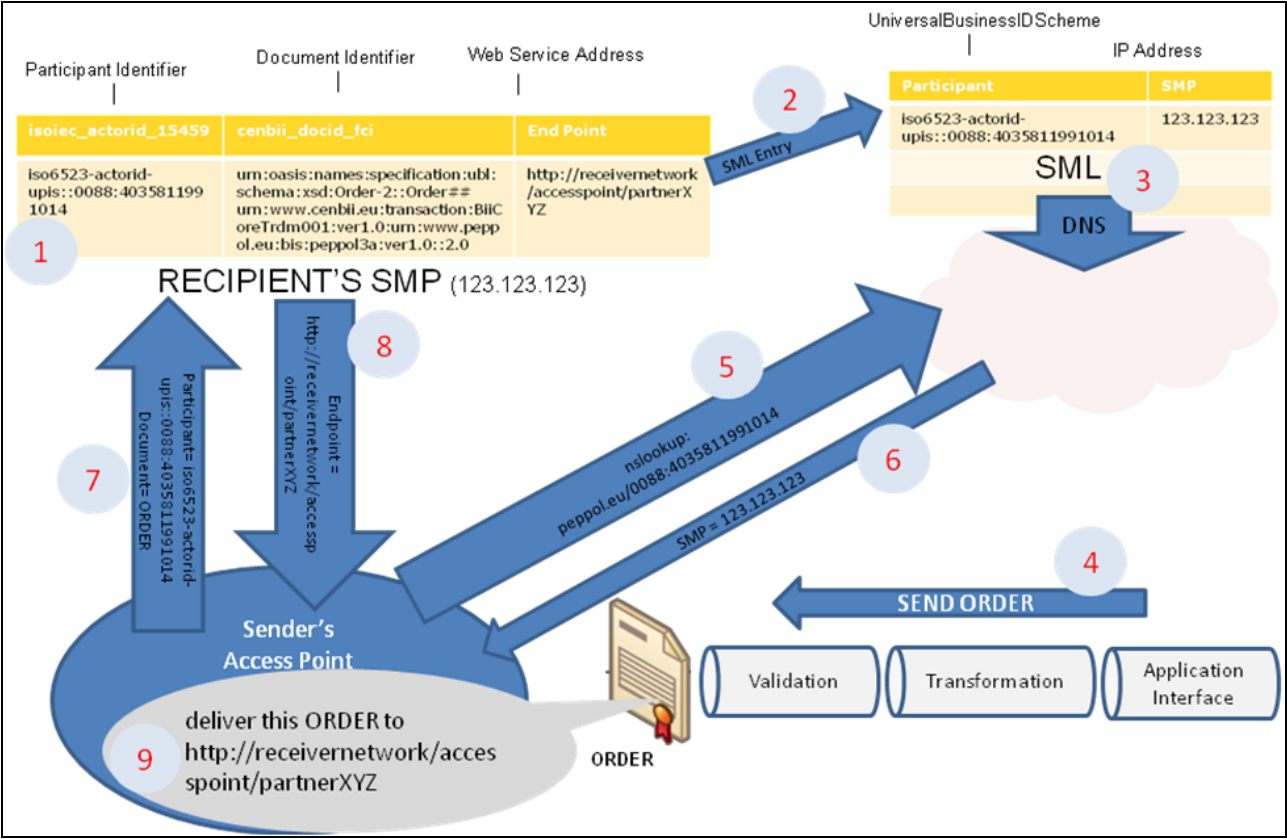
The BusDox infrastructure requires a Participant sending a document to identify both the receiving Participant and the service that will receive the document. They (or their Access Point provider) achieve this by searching the Service Metadata Locator (SML) to find the relevant Service Metadata Publisher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

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

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

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

The diagram below shows the relationship of these information elements.



3 Policy for PEPPOL Party Identification

The following aspects are addressed in this policy:

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

PEPPOL will not implement its own scheme for identifying Parties. Instead it will support a federated system for uniquely identifying parties following the ISO 15459 format scheme⁶ for unique identifiers. This requires defining a controlled set of Issuing Agency Codes⁷ (IACs) for identification schemes (also known as party identifier types⁸ or Identification code qualifier⁹ or International Code Designators¹⁰ or Party ID Type¹¹) required by PEPPOL implementations.

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

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

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

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

3.1 Format

POLICY 1 Use of ISO15459 encoding

Participant and Party Identifiers should adhere to ISO 15459 constraints:

- 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 characters and numeric digits from the invariant character set of ISO/IEC 646 (ISO 7-bit coded character set)

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 and numeric digits from the invariant character set of ISO-8859-1

Process Identifiers should adhere to the following constraints:

⁵ See: http://www.cen.eu/cwa/bii/specs/Profiles/Guidelines/BII_CodeLists-v1.00.xls or [CEN_BII]

⁶ ISO 15459-4 Individual items, see [ISO 15459]

⁷ ISO 15459 terminology, see [ISO 15459]

⁸ CEN/BII terminology

⁹ ISO 9735 Service Code List (0007) terminology

¹⁰ ISO 6523 terminology

¹¹ OASIS ebCore terminology

- 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 and numeric digits from the invariant character set of ISO-8859-1

Applies to: all identifiers in all components

POLICY 2 Use of ISO15459 structure

A Party identifier used in PEPPOL will comprise of:

- An Issuing Agency Code
- The value provided by the Issuing Agency

Applies to: all participant/party identifiers in all components

POLICY 3 PEPPOL identifier value casing

All PEPPOL participant identifier values have to be treated case insensitive even if the underlying scheme requires a case sensitive value.

All PEPPOL document type and process identifier values have to be treated case sensitive.

Applies to: all identifiers in all components

Examples:

Participant identifier value "0088:abc" is equal to "0088:ABc"

Participant identifier value "0088:abc" is NOT equal to "0010:abc"

Document type identifier value

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

is NOT equal to

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

Process identifier value

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

is NOT equal to

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

POLICY 4 Coding of Issuing Agencies

All Issuing Agency Codes for Party Identifiers are to be taken from the normative version of the code list described in the following section.

Currently this is maintained within PEPPOL but it is intended to transfer this responsibility to the CEN BII2 workshop in the near future, and for long term sustainability, to a permanent standards organization. This maintenance is necessary because of the potential for growth of this code list.

Applies to: all participant/party identifiers in all components

3.2 Issuing Agency Code Values

The values for the initial PEPPOL Issuing Agency Code list were taken from the NESUBL PartyID code list¹² but this has been extended to cover use by all PEPPOL pilots and includes other known Issuing Agencies (from e.g. ISO 6523¹³).

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

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

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

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

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

POLICY 5 PEPPOL participant identifier scheme

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

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

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

POLICY 6 Numeric Codes for Issuing Agencies

The numeric ISO6523 code set as used in PEPPOL include additional code values not part of the official ISO 6523 code set and so cannot be referred to as the official ISO 6523 code set¹⁴. The codes starting with “99” are extending this code set. For convenience the term “ISO6523” is used for all codes and indicates the origin of many code values used.

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

¹² See chapter 2.23:

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

¹³ See http://en.wikipedia.org/wiki/ISO_6523

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

234 **POLICY 7 XML attributes for Participant Identifiers in BusDox**

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

237 Applies to: XML documents used in the SMP

238 **Example:**

```
239 <ParticipantIdentifier scheme="iso6523-actorid-  
240 upis">0088:4035811991014</ParticipantIdentifier>
```

241 **POLICY 8 XML attributes for Party Identifiers in UBL documents**

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

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

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

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

248 **Example:**

```
249 <cac:PartyIdentification>  
250 <cbc:ID schemeID="GLN">4035811991014</cbc:ID>  
251 </cac:PartyIdentification>
```

252 and

```
253 <cac:Party>  
254 <cbc:EndpointID schemeID="GLN">4035811991014</cbc:EndpointID>  
255 </cac:Party>
```

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

Scheme ID	Numerical code	Scheme agency name	Deprecated?
FR:SIRENE	0002	Institut National de la Statistique et des Etudes Economiques, (I.N.S.E.E.)	false
SE:ORGNR	0007	The National Tax Board	false
FR:SIRET	0009	DU PONT DE NEMOURS	false
FI:OVT	0037	National Board of Taxes, (Verohallitus)	false
DUNS	0060	Dun and Bradstreet Ltd	false
GLN	0088	GS1	false
DK:P	0096	Danish Chamber of Commerce	false
IT:FTI	0097	FTI - Ediforum Italia	false
NL:KVK	0106	Vereniging van Kamers van Koophandel en Fabrieken in Nederland, Scheme	false
IT:SIA	0135	SIA-Società Interbancaria per l'Automazione S.p.A.	false

IT:SECETI	0142	Servizi Centralizzati SECETI S.p.A.	false
DK:CPR	9901	Danish Ministry of the Interior and Health	false
DK:CVR	9902	The Danish Commerce and Companies Agency	false
DK:SE	9904	Danish Ministry of Taxation, Central Customs and Tax Administration	false
DK:VANS	9905	Danish VANS providers	false
IT:VAT	9906	Ufficio responsabile gestione partite IVA	false
IT:CF	9907	TAX Authority	false
NO:ORGNR	9908	Enhetsregisteret ved Bronnoysundregisterne	false
NO:VAT	9909	Enhetsregisteret ved Bronnoysundregisterne	false
HU:VAT	9910		false
EU:VAT	9912	National ministries of Economy	true
EU:REID	9913	Business Registers Network	false
AT:VAT	9914	Österreichische Umsatzsteuer-Identifikationsnummer	false
AT:GOV	9915	Österreichisches Verwaltungs bzw. Organisationskennzeichen	false
AT:CID	9916	Firmenidentifikationsnummer der Statistik Austria	true
IS:KT	9917	Icelandic National Registry	false
IBAN	9918	SOCIETY FOR WORLDWIDE INTERBANK FINANCIAL, TELECOMMUNICATION S.W.I.F.T	false
AT:KUR	9919	Kennziffer des Unternehmensregisters	false
ES:VAT	9920	Agencia Española de Administración Tributaria	false
IT:IPA	9921	Indice delle Pubbliche Amministrazioni	false
AD:VAT	9922	Andorra VAT number	false
AL:VAT	9923	Albania VAT number	false
BA:VAT	9924	Bosnia and Herzegovina VAT number	false
BE:VAT	9925	Belgium VAT number	false
BG:VAT	9926	Bulgaria VAT number	false
CH:VAT	9927	Switzerland VAT number	false
CY:VAT	9928	Cyprus VAT number	false
CZ:VAT	9929	Czech Republic VAT number	false
DE:VAT	9930	Germany VAT number	false
EE:VAT	9931	Estonia VAT number	false
GB:VAT	9932	United Kingdom VAT number	false
GR:VAT	9933	Greece VAT number	false

HR:VAT	9934	Croatia VAT number	false
IE:VAT	9935	Ireland VAT number	false
LI:VAT	9936	Liechtenstein VAT number	false
LT:VAT	9937	Lithuania VAT number	false
LU:VAT	9938	Luxemburg VAT number	false
LV:VAT	9939	Latvia VAT number	false
MC:VAT	9940	Monaco VAT number	false
ME:VAT	9941	Montenegro VAT number	false
MK:VAT	9942	Macedonia, the former Yugoslav Republic of VAT number	false
MT:VAT	9943	Malta VAT number	false
NL:VAT	9944	Netherlands VAT number	false
PL:VAT	9945	Poland VAT number	false
PT:VAT	9946	Portugal VAT number	false
RO:VAT	9947	Romania VAT number	false
RS:VAT	9948	Serbia VAT number	false
SI:VAT	9949	Slovenia VAT number	false
SK:VAT	9950	Slovakia VAT number	false
SM:VAT	9951	San Marino VAT number	false
TR:VAT	9952	Turkey VAT number	false
VA:VAT	9953	Holy See (Vatican City State) VAT number	false
NL:ION	9954	Dutch 'ION' number	false
SE:VAT	9955	Swedish VAT number	false
ZZZ	9999	Unknown issuer agency (Not applicable for registration in PEPPOL SML).	false

258 The normative form of the code list is available as a Genericcode file referenced at [PEPPOL_PostAward].

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

262 **Example1: Use in a BusDox SMP:**

263 The following example from an SMP exchange denotes that the Participant is identified using the ISO 6523
 264 International Code Designator in the CEN BII set of Issuing Agency Codes. This in turn has a numeric value of
 265 0088 meaning that the party has a 0088 (GLN - see above table) identifier of "4035811991014".

266 `<ParticipantIdentifier scheme="iso6523-actorid-`
 267 `upis">0088:4035811991014</ParticipantIdentifier>`

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

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

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

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

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

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

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

and

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

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

Example 3: Mapping of identifiers between CEN BII and PEPPOL

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

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

In BusDox the equivalent Participant Identifier would be expressed as:

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

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

POLICY 9 Participant Identifiers for DNS

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

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

Explanation:

<hash-of-value>	Is the string representation of the MD5 hash value, of the lowercased identifier value (e.g. 0088:abc).
	The UTF-8 charset needs to be used for extracting bytes out of strings for MD5

	hash value creation. Lowercasing must be performed according to the en_US locale rules (no special character handling). Note: it is important, that the MD5 hash value is generated after the identifier value has been lowercased because according to POLICY 3 participant identifiers have to be treated case insensitive. “String representation” means the encoding of each MD5 hash-byte into 2 characters in the range of [0-9a-f] (e.g. byte value 255 becomes string representation “ff”).
<scheme>	Is the identifier scheme value (“iso6523-actorid-upis” in PEPPOL) and is added “as is” into the DNS name¹⁵. Note: The Busdoux specification ensures, that the participant identifier schemes are valid DNS name parts.
<SML-zone-name>	Is the DNS domain name of the SML zone (e.g. “sml.peppolcentral.org.” – mind the trailing dot).

310 **Example:**

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

313

B-f5e78500450d37de5aabe6648ac3bb70.iso6523-actorid-

314

upis.sml.peppolcentral.org.

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

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

317 4 Policies on Identifying Documents supported by PEPPOL

318 4.1 Format

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

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

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

336 POLICY 10 PEPPOL Document Type Identifier scheme

337 The PEPPOL document type identifier scheme to be used is:

338 `busdox-docid-qns`

339 Applies to: all document type identifiers in all components

340 POLICY 11 PEPPOL Customization Identifiers¹⁶

341 The Customization Identifier is defined in the relevant PEPPOL BIS specification. A PEPPOL Access Point
342 MUST treat the identifier as an atomic string. The definition of the customization identifier within the BIS
343 specifications should be defined according to the CEN BII rules.

344 Applies to: all document type identifiers in all components

345 Example 1: (from Order BIS v 1)

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

348 Example 2: (from Order BIS v 2)

349 `urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:`
350 `bis:peppol3a:ver2.0`

351 **POLICY 12 Specifying Customization Identifiers in UBL documents¹⁷**

352 The value for CustomizationID element in the document instance must correspond to the Customization ID
353 of the BusDox Document Type Identifier (see [PEPPOL_Transp]).

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

355 **Example:**

```
356 <cbc:CustomizationID>  
357 urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:  
358 bis:peppol3a:ver2.0  
359 </cbc:CustomizationID>
```

360 **POLICY 13 PEPPOL Document Type Identifiers**

361 The format of the Document Type Identifier is:
362 <root NS>::<document element local name>##<customization id>::<version>
363 The value for Customization ID component in the Document Type Identifier should correspond to the
364 CustomizationID in the document instance. The combination of customization ID and version is denoted as
365 “Subtype identifier” in the BusDox Common Definitions 1.0 specification document. Therefore the URL
366 encoding of these elements has to be done as stated in the specification document.
367 <version> is used to reflect the version of the underlying syntax standard.

368 Applies to: all document type identifiers in all components

369 **Example:**

370 The following example denotes that the document type capable of being received is a UBL 2.1 Order
371 conforming to the PEPPOL Profile 3a).

```
372 urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##  
373 urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:  
374 bis:peppol3a:ver2.0::2.1
```

375

Root namespace	urn:oasis:names:specification:ubl:schema:xsd:Order-2
Document element local name	Order
Customization ID (see above)	urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol3a:ver2.0
Version	2.1

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

377 The value for the scheme attribute must be “busdix-docid-qns” (see POLICY 10) and the element value
378 must be the document type identifier itself.

379 Applies to: XML documents used in the SMP

380

¹⁷ Use of attribute schemeID has been removed compared to previous version of the policy

381 **Example usage in the SMP:**

```
382 <DocumentIdentifier scheme="busdox-docid-qns">  
383 urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##  
384 urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:  
385 bis:peppol3a:ver2.0::2.1</DocumentIdentifier>
```

4.2 Document Type Identifier Values

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

Common Name	BIS Version	PEPPOL Document Type Identifier ¹⁸	PEPPOL Specification
Virtual Company Dossier ¹⁹		urn:www.peppol.eu:schema:xsd:VirtualCompanyDossier-1::VirtualCompanyDossier## urn:www.cenbii.eu:transaction:biicoretrdm991:ver0.1:#urn:www.peppol.eu:bis:peppol991a:ver1.0::0.1	See [PEPPOL_EIA]
Virtual Company Dossier Package ²⁰		urn:www.peppol.eu:schema:xsd:VirtualCompanyDossierPackage-1::VirtualCompanyDossierPackage## urn:www.cenbii.eu:transaction:biicoretrdm992:ver0.1:#urn:www.peppol.eu:bis:peppol992a:ver1.0::0.1	See [PEPPOL_EIA]
Catalogue Template ²¹		urn:www.peppol.eu:schema:xsd:CatalogueTemplate-1::CatalogueTemplate## urn:www.cenbii.eu:transaction:biicoretrdm993:ver0.1:#urn:www.peppol.eu:bis:peppol993a:ver1.0::0.1	See [PEPPOL_EIA]
Criteria Template		urn:oasis:names:specification:ubl:schema:xsd:AttachedDocument-2::AttachedDocument## urn:www.cenbii.eu:transaction:biicoretrdm994:ver0.1:#urn:www.peppol.eu:bis:peppol994a:ver1.0::0.1	See [PEPPOL_EIA]
PEPPOL Catalogue profile	3	urn:oasis:names:specification:ubl:schema:xsd:Catalogue-2::Catalogue## urn:www.cenbii.eu:transaction:biicoretrdm019:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse## urn:www.cenbii.eu:transaction:biicoretrdm057:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse## urn:www.cenbii.eu:transaction:biicoretrdm058:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0	See [PEPPOL_PostAward]

¹⁸ For better readability a blank is inserted after the first “##” sequence. This has to be removed in production!

¹⁹ Note: These identifiers are placeholders only. The PEPPOL VCD documents are currently defined as extensions of BII and will be published in CEN/BII2. For details of CEN/BII Profiles refer to [CEN_BII2].

²⁰ Note: These identifiers are placeholders only. The PEPPOL VCD Package documents are currently defined as extensions of BII and will be published in CEN/BII2. For details of CEN/BII Profiles refer to [CEN_BII2].

²¹ Note: These identifiers are placeholders only. The PEPPOL Catalogue Template documents are currently being defined as extensions of BII and will be published in CEN/BII2. For details of CEN/BII Profiles refer to [CEN_BII2].

Common Name	BIS Version	PEPPOL Document Type Identifier ¹⁸	PEPPOL Specification
PEPPOL Catalogue profile	4	urn:oasis:names:specification:ubl:schema:xsd:Catalogue-2::Catalogue## urn:www.cenbii.eu:transaction:biitrns019:ver2.0:extended:urn:www.peppol.eu:bis:peppol1a:ver2.0::2.1	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse## urn:www.cenbii.eu:transaction:biitrns058:ver2.0:extended:urn:www.peppol.eu:bis:peppol1a:ver2.0::2.1	See [PEPPOL_PostAward]
PEPPOL Order profile	3	urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order## urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol3a:ver1.0::2.0	See [PEPPOL_PostAward]
PEPPOL Order profile	4	urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order## urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol3a:ver2.0::2.1	See [PEPPOL_PostAward]
PEPPOL Invoice profile	3	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol4a:ver1.0::2.0	See [PEPPOL_PostAward]
PEPPOL Invoice profile	4	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biitrns010:ver2.0:extended:urn:www.peppol.eu:bis:peppol4a:ver2.0::2.1	See [PEPPOL_PostAward]
PEPPOL Billing profile	3	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote## urn:www.cenbii.eu:transaction:biicoretrdm014:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm015:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0	See [PEPPOL_PostAward]
PEPPOL Billing profile	4	urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biitrns010:ver2.0:extended:urn:www.peppol.eu:bis:peppol5a:ver2.0::2.1	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote## urn:www.cenbii.eu:transaction:biitrns014:ver2.0:extended:urn:www.peppol.eu:bis:peppol5a:ver2.0::2.1	See [PEPPOL_PostAward]
PEPPOL Procurement profile	3	urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order## urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:OrderResponseSimple-2::OrderResponseSimple##	See [PEPPOL_PostAward]

Common Name	BIS Version	PEPPOL Document Type Identifier ¹⁸	PEPPOL Specification
		urn:www.cenbii.eu:transaction:biicoretrdm002:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	
		urn:oasis:names:specification:ubl:schema:xsd:OrderResponseSimple-2::OrderResponseSimple## urn:www.cenbii.eu:transaction:biicoretrdm003:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote## urn:www.cenbii.eu:transaction:biicoretrdm014:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
		urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice## urn:www.cenbii.eu:transaction:biicoretrdm015:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0	See [PEPPOL_PostAward]
PEPPOL Ordering profile	1	urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order## urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver1.0::2.1 urn:oasis:names:specification:ubl:schema:xsd:OrderResponse-2::OrderResponse## urn:www.cenbii.eu:transaction:biitrns076:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver1.0::2.1	See [PEPPOL_PostAward]
PEPPOL Despatch Advice profile	1	urn:oasis:names:specification:ubl:schema:xsd:DespatchAdvice-2::DespatchAdvice## urn:www.cenbii.eu:transaction:biitrns016:ver1.0:extended:urn:www.peppol.eu:bis:peppol30a:ver1.0::2.1	See [PEPPOL_PostAward]
PEPPOL Message Level Response profile	1	urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse## urn:www.cenbii.eu:transaction:biitrns071:ver2.0:extended:urn:www.peppol.eu:bis:peppol36a:ver1.0::2.1	See [PEPPOL_PostAward]

389

390 The normative form of the code list is available as a Genericcode file referenced at [PEPPOL_PostAward].It is important to note that this is a dynamic list.
391 Over time new services will be added. Developers should take this into account when designing and implementing solutions for PEPPOL services.

392

5 Policy on Identifying Processes supported by PEPPOL

5.1 Format

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

POLICY 15 PEPPOL BusDox Process Identifier scheme

The PEPPOL BusDox process identifier scheme to be used should be:

`cenbii-procid-ubl`

Applies to: all process identifiers in all component

POLICY 16 PEPPOL Process Identifiers

The Process Identifier is defined in the relevant PEPPOL BIS specification. A PEPPOL Access Point MUST treat the identifier as an atomic string. The definition of the process identifier within the BIS specifications should be defined according to the CEN BII rules.

Applies to: all process identifiers in all component

Example:

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

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

Example 2:

`urn:www.cenbii.eu:profile:bii04:ver2.0`

POLICY 17 Specifying Process Identifiers in SMP documents

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

Applies to: XML documents used in the SMP

Example:

```
CEN/BII:
<ProcessIdentifier scheme="cenbii-procid-
ubl">urn:www.cenbii.eu:profile:bii03:ver1.0</ProcessIdentifier>
CEN/BII2:
<ProcessIdentifier scheme="cenbii-procid-
ubl">urn:www.cenbii.eu:profile:bii03:ver2.0</ProcessIdentifier>
```

5.2 Process ID values

Below is a non-normative list of predefined PEPPOL process identifiers and the matching PEPPOL BIS. Below each profile a list of all supported document type identifiers valid for this specific profile are listed. The document type identifiers are identical to those specified in [section 4.2](#) above. The latest normative version can be found at [PEPPOL_PostAwar].

BII Profile ID	PEPPOL BIS Version	PEPPOL BIS Process ID	PEPPOL BIS
BII01 - Catalogue	3	urn:www.cenbii.eu:profile:bii01:ver1.0	BIS1A

only			
- urn:oasis:names:specification:ubl:schema:xsd:Catalogue-2::Catalogue##urn:www.cenbii.eu:transaction:biicoretrdm019:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse##urn:www.cenbii.eu:transaction:biicoretrdm057:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse##urn:www.cenbii.eu:transaction:biicoretrdm058:ver1.0:#urn:www.peppol.eu:bis:peppol1a:ver1.0::2.0			
BII01 - Catalogue only	4	urn:www.cenbii.eu:profile:bii01:ver2.0	BIS1A
- urn:oasis:names:specification:ubl:schema:xsd:Catalogue-2::Catalogue##urn:www.cenbii.eu:transaction:biitrns019:ver2.0:extended:urn:www.peppol.eu:bis:peppol1a:ver2.0::2.1 - urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse##urn:www.cenbii.eu:transaction:biitrns058:ver2.0:extended:urn:www.peppol.eu:bis:peppol1a:ver2.0::2.1			
BII03 - Order Only	3	urn:www.cenbii.eu:profile:bii03:ver1.0	BIS3A
urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol3a:ver1.0::2.0			
BII03 - Order Only	4	urn:www.cenbii.eu:profile:bii03:ver2.0	BIS3A
urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol3a:ver2.0::2.1			
BII04 - Invoice only	3	urn:www.cenbii.eu:profile:bii04:ver1.0	BIS4A
urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol4a:ver1.0::2.0			
BII04 - Invoice only	4	urn:www.cenbii.eu:profile:bii04:ver2.0	BIS4A
urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biitrns010:ver2.0:extended:urn:www.peppol.eu:bis:peppol4a:ver2.0::2.1			
BII05 -	3	urn:www.cenbii.eu:profile:bii05:ver1.0	BIS5A

Billing			
- urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##urn:www.cenbii.eu:transaction:biicoretrdm014:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm015:ver1.0:#urn:www.peppol.eu:bis:peppol5a:ver1.0::2.0			
BII05 - Billing	4	urn:www.cenbii.eu:profile:bii05:ver2.0	BIS5A
- urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biitrns010:ver2.0:extended:urn:www.peppol.eu:bis:peppol5a:ver2.0::2.1 - urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##urn:www.cenbii.eu:transaction:biitrns014:ver2.0:extended:urn:www.peppol.eu:bis:peppol5a:ver2.0::2.1			
BII06 - Procurement	3	urn:www.cenbii.eu:profile:bii06:ver1.0	BIS6A
- urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##urn:www.cenbii.eu:transaction:biicoretrdm001:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:OrderResponseSimple-2::OrderResponseSimple##urn:www.cenbii.eu:transaction:biicoretrdm002:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:OrderResponseSimple-2::OrderResponseSimple##urn:www.cenbii.eu:transaction:biicoretrdm003:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm010:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:CreditNote-2::CreditNote##urn:www.cenbii.eu:transaction:biicoretrdm014:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0 - urn:oasis:names:specification:ubl:schema:xsd:Invoice-2::Invoice##urn:www.cenbii.eu:transaction:biicoretrdm015:ver1.0:#urn:www.peppol.eu:bis:peppol6a:ver1.0::2.0			
BII28 – Ordering	1	urn:www.cenbii.eu:profile:bii28:ver2.0	BIS28A
urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##			

urn:www.cenbii.eu:transaction:biitrns001:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver1.0::2.1

- urn:oasis:names:specification:ubl:schema:xsd:OrderResponse-2::OrderResponse##
urn:www.cenbii.eu:transaction:biitrns076:ver2.0:extended:urn:www.peppol.eu:bis:peppol28a:ver1.0::2.1

BII30 –	1	urn:www.cenbii.eu:profile:bii30:ver2.0	BIS30A
---------	---	--	--------

Despatch
Advice

- urn:oasis:names:specification:ubl:schema:xsd:DespatchAdvice-2::DespatchAdvice##
urn:www.cenbii.eu:transaction:biitrns016:ver1.0:extended:urn:www.peppol.eu:bis:peppol30a:ver1.0::2.1

BII36 –	1	urn:www.cenbii.eu:profile:bii36:ver2.0	BIS36A
---------	---	--	--------

Message
Level
Response

- urn:oasis:names:specification:ubl:schema:xsd:ApplicationResponse-2::ApplicationResponse##
urn:www.cenbii.eu:transaction:biitrns071:ver2.0:extended:urn:www.peppol.eu:bis:peppol36a:ver1.0::2.1

427 The normative form of the code list is available as a Genericode file referenced at
428 [PEPPOL_PostAward].

6 Policy on Identifying Transport Profiles in PEPPOL

6.1 SMP

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

POLICY 18 Specifying Transport Profiles in SMP documents

The value for the transportProfile attribute must be one of the Profile IDs in the list below if one of the predefined transport profiles is chosen. The value of the transportProfile attribute is case sensitive.

Applies to: XML documents used in the SMP

Below is a normative list of all reserved PEPPOL transport profiles and their respective profile identifiers.

Profile	Profile version	Profile ID
START	1.0.1	busdox-transport-start
AS2	1.0	busdox-transport-as2-ver1p0

Example 1:

```
<Endpoint transportProfile="busdox-transport-start">  
  ...  
</Endpoint>
```

Example 2:

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

7 Governance of this Policy

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

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

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

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

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

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

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

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

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

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