



Koordinierungsstelle
für IT-Standards

Annotations to „National Supplementary Requirement to the Peppol Interoperability Framework“

Mandatory support of the Peppol Directory

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Changes

Version	Date	Author	Chapter	Amendments
1.0	22.03.2022	KoSIT		Release

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Annotations to rules:

Technical Business Cards are always obtained from the Peppol Directory from the SMP instances, as described in the Peppol Directory Specification. Business Cards are maintained by Service Providers. Maintenance does not necessarily have to be within an SMP instance.

Rules

1. Participants in the Test Network MUST be published in the Test Peppol Directory.

The term "Participants" includes all Peppol End Users in whose name Peppol Datasets (documents) are sent and/or received.

The "Test Network" refers to the instance of the Peppol eDelivery network in which the Peppol test PKI (Public Key Infrastructure) is used exclusively.

Peppol-End Users that only participate in the test network are also only registered in the test Peppol Directory.

2. Participants in the Production Network MUST be published in the Productive Peppol Directory.

The term "Participants" includes all Peppol End Users in whose name Peppol Datasets (documents) are sent and/or received.

The "Production Network" refers to the instance of the Peppol eDelivery Network in which only the Peppol Production PKI is used.

Peppol-End Users that only participate in the Production Network are also only registered in the Production-Peppol Directory.

Data

3. A Peppol Business Card MUST be created for each Peppol Participant ID. This excludes Peppol Participant IDs that should not receive documents ("Made Dormant Participants"). Further exceptions to this MUST be approved by the Peppol Authority.

The Peppol Participant ID is the unique, technical identifier of a Peppol End User in the Peppol eDelivery network.

A Peppol Business Card contains information about a Peppol End User, which is retrieved via an SMP (Service Metadata Publisher) and imported into the Directory.

Participants that are made dormant are Peppol participant IDs that are not or no longer actively used. This only applies to Peppol Participant IDs that have SMP registration but cannot receive Dataset Types (document types). One use case for such 'dormant' participants is to prevent reuse by third parties. An example of a Business Card for a participant that has been made dormant can be found in the Annex in Example 3.

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4. Each End User that is accessible via a single Peppol Participant ID MUST include a designated "Business Entity" in the Business Card.

The definition of "End User" is found in the OpenPeppol Internal Regulations and states: "An End User is a sender or receiver to which a Peppol Service Provider provides Peppol services directly or indirectly through intermediaries". For public administration participants, this rule means that a separate Business Entity MUST be created for each LeitwegID.

See Example 1 and 2 in the Annex of this document.

5. Each Business Entity MUST contain at least the name (Entity name), country (Country Code) location information (Geographical Information), contact details (Contact) and registration date (Registration Date) of the End User. In addition, at least one URL of the website (Website URIs) SHOULD be provided. Made Dormant Participants ARE NOT REQUIRED to follow these rules for Business Entities

Specific recommendations apply to the following fields:

- *Entity Name: Must contain at least the company name. If a different business name exists, this should also be indicated.*
- *Country Code: according to the Peppol Directory Specification, ISO-3166-1 code in alpha-2 notation must be used here.*
- *Geographical information: this field is deliberately unstructured, as an explicit search for postal addresses is not relevant for Peppol. The customary fields of a postal address should be included (street, house number, postcode, city). If a Business Entity has several locations, they may all be named.*
- *Contact: this field consists of four subfields. At least one telephone number or email address must be provided.*
- *Registration Date: a date, usually in the past (CCYY-MM-DD).*
- *Website URLs: if a Business Entity has a website, it is strongly recommended to specify it. An "https" URL is preferable to an "http" URL.*
- *Additional Identifiers: this field should be provided if the receiving Peppol End User has other widely known identifiers and these differ from the identifier used in the Peppol Participant ID.*
- *Additional Information: this free text field can be used to enter additional information that may be helpful for finding users in the Peppol network.*

Important: All Business Card data can be retrieved from the SMP via an open API. The granularity of the data provided in a Business Card should be based on the granularity of "imprint" data (company information data).

As a general rule, each value should appear in no more than one field of the Business Card. Duplicate data is to be avoided.

If a specific field is provided for certain data, then this should be used for this (e.g. a website URL should always be entered into the "Website URL" field and NOT in the "Additional Information").

The contents of the Business Cards for dormant participants need only comply with the technical specifications of the Business Card Format (see Example 3 in the Annex).

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6. Business Card data **MUST** be provided in the latest valid format applicable.

Business Cards must be provided as an XML file.

The valid format can always be found at <https://docs.peppol.eu/edelivery>. At the time of writing this document, this is Business Card Version 3 with the XML Namespace URI "<http://www.peppol.eu/schema/pd/businesscard/20180621/>".

This also applies to dormant participants.

New Business Card XML Schema formats will be announced by OpenPeppol with sufficient lead time.

Amendments

7. All new Business Cards created and all changes to existing Business Cards **MUST** be reported immediately to the Directory via the appropriate API.

If existing End Users are changed or new End Users added, the Peppol Directory must be updated immediately. The REST API described in the Peppol Directory specification should be used for this purpose. The prerequisite for this is a Peppol SMP certificate as a client certificate.

The Directory API may only be accessed after the interaction with the SMK/SML has been completed. This prevents invalid data from being present in the directory.

Notes:

- *Only the participant ID is sent via the API. The Business Card will be read later, asynchronously from the Peppol Directory, via the official SMP API.*
- *Making a Peppol Participant dormant is considered a "change to an existing Business Card" and is therefore subject to these rules.*

8. When a Peppol Participant ID is deleted, the entry in the corresponding directory **MUST** be immediately deleted via the API.

When an End User is deleted in the SML, the associated Peppol Participant ID becomes free and can be reassigned and used. In this case, after deletion in the SML, the REST API described in the Peppol Directory specification must be used to delete the entry in the Peppol Directory. This requires the use of a Peppol SMP certificate as a client certificate.

Deleting a Peppol Participant ID is not the same as making dormant (the Peppol Participant ID remains registered in the SML). Making Peppol Participants dormant is not a use case for this rule.

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Migration plan:

Migration to mandatory use of the Peppol Directory uses the model shown in the following diagram:

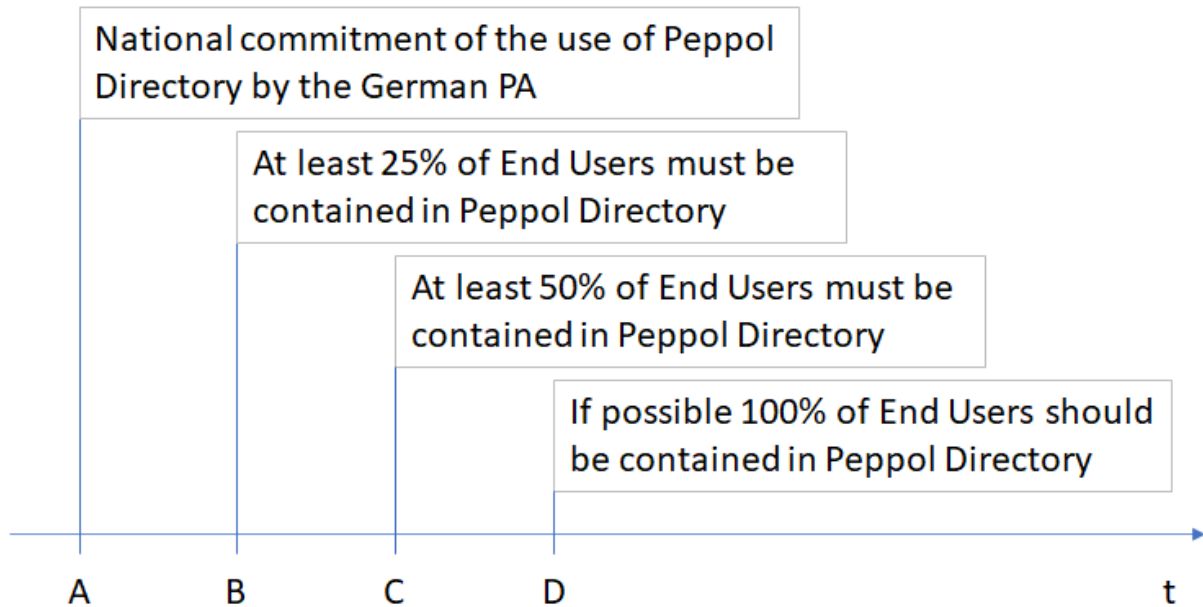


Diagram 1: Migration Model

The X-axis represents time and points A,B,C and D are milestones.

- Point A is the date on which the German Peppol Authority will bring the National Annex to the Peppol Interoperability Framework into force. This is 1 November 2022.
- Point B is the time at which at least 25% of all End Users must have entered their Business Cards into the Peppol Directory. This is 1 November 2022.
- Point C is the time at which at least 50% of all End Users must have entered their Business Cards into the Peppol Directory. This is 1 February 2023.
- Point D is the time at which possibly all End Users should have entered their Business Cards into the Peppol Directory. This is 1 April 2023.

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Annex

Example 1 – Business Card BMF (Federal Ministry of Finance)

Example of Business Card with BMF data

```
<BusinessCard xmlns="http://www.peppol.eu/schema/pd/businesscard/20180621/">
  <ParticipantIdentifier scheme="iso6523-actorid-upis">0088:example</ParticipantIdentifier>
  <BusinessEntity registrationDate="2021-07-06">
    <Name language="de">Bundesministerium der Finanzen</Name>
    <CountryCode>DE</CountryCode>
    <GeographicalInformation>Wilhelmstraße 97, 10117 Berlin</GeographicalInformation>
    <WebsiteURI>https://www.bundesfinanzministerium.de</WebsiteURI>
    <Contact>
      <Type>Type>General Contact</Type>
      <Email>Poststelle@bmf.bund.de</Email>
    </Contact>
    <AdditionalInformation>Anything that could be of interest</AdditionalInformation>
  </BusinessEntity>
</BusinessCard>
```

Example 2 - Complete Business Card

```
<BusinessCard xmlns="http://www.peppol.eu/schema/pd/businesscard/20180621/">
  <ParticipantIdentifier scheme="iso6523-actorid-upis">0088:example</ParticipantIdentifier>
  <BusinessEntity registrationDate="2022-01-13">
    <Name language="de">Aussenstelle Köln</Name>
    <CountryCode>DE</CountryCode>
    <GeographicalInformation>Stolbergstraße 112, 50933 Köln</GeographicalInformation>
    <Identifier scheme="LWID">991-14886-16</Identifier>
    <WebsiteURI>www.bundesnetzagentur.de</WebsiteURI>
    <Contact>
      <Type>Type>General Contact</Type>
      <Email>info@bnetza.de</Email>
    </Contact>
    <AdditionalInformation>free entry</AdditionalInformation>
  </BusinessEntity>
  <BusinessEntity registrationDate="2022-01-10">
    <Name language="de">Bw Bekleidungsmanagement GmbH</Name>
    <CountryCode>DE</CountryCode>
    <GeographicalInformation>Edmund-Rumpler-Str. 8-10, 51149 Köln </GeographicalInformation>
    <Identifier scheme="DE:LWID">992-80002-47</Identifier>
    <Identifier scheme="VAT">216/5864/2028</Identifier>
    <WebsiteURI>https://www.bwbm.de/</WebsiteURI>
    <Contact>
      <Type>General Contact</Type>
      <PhoneNumber>0049 2203 9128 0</PhoneNumber>
      <Email>info@bwbm.de</Email>
    </Contact>
    <AdditionalInformation>Registergericht: Amtsgericht Köln, Registernummer: HRB 52368,
  </AdditionalInformation>
  </BusinessEntity>
</BusinessCard>
```

Example 3 – Business Card for made dormant participant

```
<BusinessCard xmlns="http://www.peppol.eu/schema/pd/businesscard/20180621/">
  <ParticipantIdentifier scheme="iso6523-actorid-upis">0088:example</ParticipantIdentifier>
  <BusinessEntity registrationDate="2022-01-13">
    <Name language="de">ParticipantIdentifier not used anymore</Name>
    <CountryCode>DE</CountryCode>
  </BusinessEntity>
</BusinessCard>
```