Guideline

Acronym: PEPPOL
Grant Agreement number: 224974
Title: Pan-European Public Procurement Online

PEPPOL Transport Infrastructure
Getting Started for Developers

Version: 1.0

Authors:
Gert Sylvest (NITA/Avanade)
Jens Jakob Andersen (NITA)
Klaus Vilstrup Pedersen (DIFI)

Project co-funded by the European Commission within the ICT Policy Support Programme

<table>
<thead>
<tr>
<th>Dissemination Level</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>Public</td>
</tr>
<tr>
<td>C</td>
<td>X</td>
</tr>
<tr>
<td>Confidential, only for members of the consortium and the Commission Services</td>
<td></td>
</tr>
</tbody>
</table>
Revision History

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Author</th>
<th>Organisation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>20100215</td>
<td>Gert Sylvest</td>
<td>NITA/Avanada</td>
<td>First version (pending EC approval)</td>
</tr>
</tbody>
</table>

Statement of originality

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

Statement of copyright

This deliverable is released under the terms of the Creative Commons Licence accessed through the following link: http://creativecommons.org/licenses/by/3.0/.

In short, it is free to

**Share** — to copy, distribute and transmit the work  
**Remix** — to adapt the work

Under the following conditions

**Attribution** — You must attribute the work in the manner specified by the author or licensor (but not in any way that suggests that they endorse you or your use of the work).
Contributors

Organisations

DIFI (Direktoratet for forvaltning og IKT), Norway, www.difi.no
NITA (IT- og Telestyrelsen), Denmark, www.itst.dk

Persons

Gert Sylvest, NITA/Avanada (editor)
Jens Jakob Andersen, NITA
Klaus Vilstrup Pedersen, DIFI

---

1 English: Agency for Public Management and eGovernment
2 English: National IT- and Telecom Agency
# Table of Content

1  Introduction ....................................................................................................................................................... 5  
   1.1  Objective ......................................................................................................................................................... 5  
   1.2  Scope ............................................................................................................................................................. 5  
2  Accessing the code .................................................................................................................................................. 6  
3  Developer documentation ......................................................................................................................................... 7  
4  Relations to the 0.9.5 specifications ....................................................................................................................... 7
1 Introduction

1.1 Objective
This document is a brief description for programmers on how to get started in building PEPPOL BusDoX compliant SMP (Service Metadata Publisher), SML (Service Metadata Locator) and Access Points implementations.

1.2 Scope
This guideline relates to the Technical Transport Layer i.e. BusDox specifications. The BusDox specifications can be used in many interoperability settings. In the PEPPOL context, it provides transport for procurement documents as specified in the PEPPOL Profiles.
2 Accessing the code
To get started, you need to access the code (SVN) and the developer documentation. This document provides you with links for both.

You can find the code for the PEPPOL release here:

- .NET
  - Service metadata clients (SMP and SML clients):
    https://svn.forge.osor.eu/svn/peppol/dotnet/servicemetadata/tags/v1.0.0
  - LIME transport libraries & sample code:
    https://svn.forge.osor.eu/svn/peppol/dotnet/transportLibrary/tags/v1.0.0/LIME
  - START transport libraries & sample code:
    https://svn.forge.osor.eu/svn/peppol/dotnet/transportLibrary/tags/v1.0.0/START

- Java
  - Demonstrator client:
    - SML (Service Metadata Locator) clients
      ▪ Discovery library:
        https://svn.forge.osor.eu/svn/peppol/java/ServiceMetadataLocator/Clients/Discovery/Library/tags/v0.9.5.0
      ▪ Management library, console client:
        https://svn.forge.osor.eu/svn/peppol/java/ServiceMetadataLocator/Clients/Management/ConsoleClient/tags/v1.0.0
      ▪ Management library:
        https://svn.forge.osor.eu/svn/peppol/java/ServiceMetadataLocator/Clients/Management/Library/tags/v1.0.0
    - SMP (Service Metadata Publisher):
      ▪ Client code:
        https://svn.forge.osor.eu/svn/peppol/java/ServiceMetadataPublishing/Clients/RESTBindingClientLibrary/tags/v1.0.0
      ▪ Common library:
        https://svn.forge.osor.eu/svn/peppol/java/ServiceMetadataPublishing/CommonLibrary/tags/v1.0.0
      ▪ Sample service:
        https://svn.forge.osor.eu/svn/peppol/java/ServiceMetadataPublishing/Services/RESTBinding/tags/v1.0.0
    - Service Metadata Registration Website:
      https://svn.forge.osor.eu/svn/peppol/java/ServiceMetadataRegistration/tags/v1.0.0
    - Service Metadata Test data:
      https://svn.forge.osor.eu/svn/peppol/java/ServiceMetadataTestData/tags/v1.0.0
    - Transport library
      ▪ Commons:
        https://svn.forge.osor.eu/svn/peppol/java/TransportLibrary/generic/tags/1.0.1
LIME:
https://svn.forge.osor.eu/svn/peppol/java/TransportLibrary/LIME/tags/1.0.1

START:
https://svn.forge.osor.eu/svn/peppol/java/TransportLibrary/START/tags/release-1.0.0

3 Developer documentation
Developer documentation can be found here:
https://svn.forge.osor.eu/svn/peppol/Documents/Release Documentation/Release snapshots/1.0.0

4 Relations to the 1.0.0 specifications
The 1.0.0 version of the specifications that have been used for the implementation can be found here:

- https://svn.forge.osor.eu/svn/peppol/Documents/Specifications/Release snapshots/1.0

Differences between the specifications and the October 2009 code release
The October 2009 release of the PEPPOL infrastructure contains sample services and components which implement the specifications, with the following main differences:

- The sample START APs do not use channel identifiers when exchanging messages
- The START APs use a simplified binding based on RM and SSL, compared to the full START profile, while the profile is still being interoperability tested.
- SMP clients do not do the full signature validation of signed records.
- .NET LIME library expects message ID to be a GUID – this is a limitation compared to the specs which allow any string as a message identifier, as long as it is unique within the scope of communication between 2 parties.
- The SML is limited in its support of message identifier schemes