

Peppol Access Point onboarding Test – Italian Checklist



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| 1.0.0 | 30/10/2015 | Intercent-ER | First version |
| 1.0.1 | 28/11/2017 | Intercent-ER | Maintenance revision |
| 1.0.2 | 20/02/2020 | Intercent-ER | Adding AS4 technical details |
| 1.0.3 | 20/02/2020 | Intercent-ER | Removed BIS 2.1 Order profile; Added support for BIS 3.0 Order Only |
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| 2.0.1 | 30/04/2020 | Intercent-ER | Updating electronic signature requirements |
| 3.0.0 | 14/08/2020 | Intercent-ER | Updated the annex 5 - changes to BIS documents’ customization ID, now aligned with PEPPOL BIS 3 specifications |

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Glossary

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| **AP** | Access Point |
| **BIS** | Business Interoperability Specifications |
| **MDN** | Message Disposition Notification |
| **SMK** | Test SML |
| **SML** | Service Metadata Locator |
| **SMP** | Service Metadata Publisher |
| **PEPPOL** | Pan-European Public Procurement Online |
| **XAdES** | XML Advanced Electronic Signature |

1. Scope

This document describes the requirements and the steps that need to be fulfilled in order to successfully complete a testing session that will assess the compliance to national Peppol network in terms of connectivity and interoperability. To this aim, AgID Test application is available.

The national Peppol network can currently manage three Document Types (Order, Ordering, Despatch Advice), whose specifications (BIS) and Identifiers are specified in the section *5.1 - Profiles and documents customization Identifier.*

The Document Types’ technical specifications and validation tools are available on Italian Peppol Authority website[[1]](#footnote-1).

1. Requirements

The following requirements must be fulfilled in order to start the interoperability test:

* The AP must be active and authorised to transmit documents over the Peppol network[[2]](#footnote-2). Even though it is not mandatory, using Test and/or Validation application is strongly recommended.
* The AP has received the test certificate from Peppol and has executed the Peppol Acceptance Test[[3]](#footnote-3).
* The SMP must be active and entitled to the publication of metadata on the SML. Even though it is not mandatory, using **Test SML (SMK)** is strongly recommended.
* Both AP and SMP instances need to be reachable via WAN, by the means defined by Peppol technical specifications; they also must not apply restrictive firewall policies that might inhibit the Lookup phase.
* All Identifiers (Participant, Document, Process, etc…) need to be compliant to what is currently defined by Peppol specifications[[4]](#footnote-4). The use of identifiers different from those indicated by AgID (i.e. using a different customization for a specific Document Type) **is strongly not recommended and could cause the failure of the test procedure.**

1. Testing phase

The testing phase is divided in a “Sending Test” and a “Reception Test”. Both the phases can be successfully accomplished only when the sending counterpart (AgID/ AP under test) receives a positive MDN from the receiving subject, for all the Document Types[[5]](#footnote-5).

* 1. Sending test

To execute the sending test, follow these steps:



1. **Request of identifier** - The generation of a test **Participant** **Identifier**[[6]](#footnote-6) (Recipient ID) for all the Document Types involved in the test phase needs to be requested to Peppol Support Team. The Peppol Support Team generate this ID and register it only on **SMK**.
2. **Lookup** - Once the sending Access Point receives the identifiers needed for the test, it performs a lookup on AgID’s SMP through the Test SML (SMK) and recovers the Service Metadata envelope.
3. **Sending Document** - Based on the information retrieved from the Service Metadata envelope, the sending Access Point composes an SBDH envelope, he validates both the envelope and the payload and then proceeds to send it to AgID Access Point.
4. **Receiving Document** – AgID Access Point receives the Document.
5. **Sending MDN** – AgID Access Point sends an MDN response to the Sending Access Point.
6. **Document validation** – AgID Access Point verifies the syntax (XSD) and semantics (schematron) accuracy of the Document.

**The test is considered successful once the Sending Access Point receives a positive MDN response and a validation confirmation (via e-mail) from AgID Access Point.**

The Lookup, Sending, Receiving and Validation document phases must be repeated **for each tested document type.**

It’s possible to directly send a document to AgID Access Point, **without performing the Lookup Phase**, in order **to check for connectivity** issues. Anyway, the sending test is considered successful only if it is executed following all the phases described above.

Peppol network does not require the use of electronic signature on the transmitted documents unless specific contexts, therefore sending digitally signed documents it is not a requirement for passing the test execution.

However, at the request of the sending Access Point, it’s possible to execute the sending test with Documents [signed](https://context.reverso.net/traduzione/inglese-italiano/digitally+signed+documents) exclusively with the **XAdES signature format**.

In general, sender and receiver may agree on the use of the electronic signature for transmitted documents over the Peppol network. The electronic signature is supported in specific domains such as pre-award phases.

* 1. Reception test

To execute the sending test, follow these steps:



1. **Identifier communication** - The sending Access Point must communicate to AgID Access Point the Participant Identifier (Recipient ID) he intends to use during the reception test, valid for all the document types tested. This identifier must be already registered on the SMK.
2. **Sending document** – The AgID Access Point sends the document
3. **Receiving Document** – The receiving Access Point, receives the document from AP AgID and sends back a MDN.

**The test is considered successful once AgID Access Point receives a positive MDN**

Peppol Support Team requests to the receiving AP **additional information about the** received **document** subject, to verify the correct reception.

The Sending and Receiving phases must be repeated **for each document type tested.**

Please note that AgID Access Point **currently can not send a document without performing the Lookup phase**.

1. Technical Notes
   1. Technical details related to AS2 transport profile

|  |  |
| --- | --- |
| AgID Test AP address: | [**https://test-notier.regione.emilia-romagna.it/notier/as2**](https://test-notier.regione.emilia-romagna.it/notier/as2) |
| Transport Profile: | **AS2** (busdox-transport-as2-ver1p0) |
| Technical Contact Point e-mail: | [**assistenzaPEPPOL@agid.gov.it**](mailto:assistenzaPEPPOL@agid.gov.it) |
| Test SML address: | **acc.edelivery.tech.ec.europa.eu** |
| Production SML address: | **edelivery.tech.ec.europa.eu** |

* 1. Technical details related to AS4 transport profile

|  |  |
| --- | --- |
| AgID Test AP address: | [**https://test-notier.regione.emilia-romagna.it/oxalis/as**](https://test-notier.regione.emilia-romagna.it/oxalis/as)**4** |
| Transport Profile: | **AS4** (peppol-transport-as4-v2\_0) |
| Technical Contact Point e-mail: | [**assistenzaPEPPOL@agid.gov.it**](mailto:assistenzaPEPPOL@agid.gov.it) |
| Test SML address: | **acc.edelivery.tech.ec.europa.eu** |
| Production SML address: | **edelivery.tech.ec.europa.eu** |

1. Checklist

The following Checklist needs to be filled after the testing procedure and returned to the Peppol Support Team using the e-mail address: [**assistenzaPEPPOL@agid.gov.it**](mailto:assistenzaPEPPOL@agid.gov.it)

**Test Summary**

|  |  |
| --- | --- |
| Test starting date |  |
| Test closing date |  |
| Participants |  |
| AgID Validator |  |
| Amount of tests performed |  |
| Amount of tests successfully completed |  |

**Service Provider data**

|  |  |
| --- | --- |
| Service Provider name |  |
| Contact point name |  |
| Contact point e-mail address |  |

**Access Point data**

|  |  |
| --- | --- |
| Access Point name |  |
| Access Point address |  |
| Participant Identifier Peppol |  |

* 1. Profiles and Documents customization Identifier

| **TYPE** | **PROFILE ID** | **DOCUMENT ID** |
| --- | --- | --- |
| **ORDER BIS 3.0** | urn:fdc:peppol.eu:poacc:bis:order\_only:3 | urn:oasis:names:specification:ubl:schema:xsd:Order-2::Order##urn:fdc:peppol.eu:poacc:trns:order:3:restrictive:urn:www.agid.gov.it:trns:ordine:3.1::2.1 |
| **ORDERING BIS 3.0** | urn:fdc:peppol.eu:poacc:bis:ordering:3 | urn:oasis:names:specification:ubl:schema:xsd:OrderResponse-2::Order-Response##urn:fdc:peppol.eu:poacc:trns:order\_response:3:restrictive:urn:www.agid.gov.it:trns:risposta\_ordine:3.0::2.1 |
| **DESPATCH ADVICE BIS 3.0** | urn:fdc:peppol.eu:poacc:bis:despatch\_advice:3 | urn:oasis:names:specification:ubl:schema:xsd:DespatchAdvice-2::DespatchAdvice##urn:fdc:peppol.eu:poacc:trns:despatch\_advice:3:extended:urn:www.agid.gov.it:trns:ddt:3.0::2.1 |

* 1. Sending Test Checklist

| **TYPE** | **TEST** | **DATE** | **NOTES** | **RESULT** |
| --- | --- | --- | --- | --- |
| **ORDER** | SML Lookup Test using the ParticipantID given by Peppol Support Team |  |  |  |
| (Optional) Direct connectivity Test (Sending directly to AgID AP without performing the lookup phase) |  |  |  |
| Sending to AgID AP after the lookup phase and reception of MDN OK (attach document sent and MDN received) |  |  |  |
| **ORDERING** | SML Lookup Test using the ParticipantID given by Peppol Support Team |  |  |  |
| (Optional) Direct connectivity Test (Sending directly to AgID AP without performing the lookup phase) |  |  |  |
| Sending to AgID AP after the lookup phase and reception of MDN OK (attach document sent and MDN received) |  |  |  |
| **DESPATCH ADVICE** | SML Lookup Test using the ParticipantID given by the Peppol Support Team |  |  |  |
| (Optional) Direct connectivity Test (Sending directly to AgID AP without performing the lookup phase) |  |  |  |
| Sending to AgID AP after the lookup phase and reception of MDN OK (attach document sent and MDN received) |  |  |  |

* 1. Receiving Test Checklist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TYPE** | **TEST** | **DATE** | **NOTES** | **RESULT** |
| **ORDER** | Reception from AgID AP and sending of MDN OK (attach document received and MDN sent) |  |  |  |
| **ORDERING** | Reception from AgID AP and sending of MDN OK (attach document received and MDN sent) |  |  |  |
| **DESPATCH ADVICE** | Reception from AgID AP and sending of MDN OK (attach document received and MDN sent) |  |  |  |

1. Refer to the specific section available at the following address: <https://peppol.agid.gov.it/> [↑](#footnote-ref-1)
2. Refer to “AP/SMP Qualification” section available at the following address <https://peppol.agid.gov.it/en/qualification-ap-smp/> [↑](#footnote-ref-2)
3. Refer to “OpenPEPPOL Test and Onboarding” document available at the following address <https://peppol.eu/support/> [↑](#footnote-ref-3)
4. Refer to “PEPPOL Policy for use of identifiers(is used for BIS v.3)” document available at the following address <https://peppol.eu/downloads/the-peppol-edelivery-network-specifications/> [↑](#footnote-ref-4)
5. Refer to example files available at the following address <https://peppol-docs.agid.gov.it/> [↑](#footnote-ref-5)
6. Please note that this Participant Identifier is valid **only in the scope of the test procedure** [↑](#footnote-ref-6)