



**AGID**

Agenzia per  
l'Italia Digitale

## **Peppol Access Point onboarding Test – Italian Checklist**



**Peppol**

Version	Dat2	Author	Changes
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
2.0.0	16/04/2020	Intercent-ER	Updating template and maintenance revision
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
3.1.0	07/04/2021	Intercent-ER	Removed technical details related to AS4 transport profile, following its forthcoming disposal by OpenPEPPOL; updated Peppol profiles and documents customization identifiers; split the test related to the profile Ordering (for both Sending and Receiving Checklists) in Order and Order Response

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## Glossary

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

## 1. Scope

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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<sup>1</sup>.

## 2. Requirements

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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<sup>2</sup>. 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<sup>3</sup>.
- 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<sup>4</sup>. 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**.

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<sup>1</sup> Refer to the specific section available at the following address: <https://peppol.agid.gov.it/>

<sup>2</sup> Refer to "AP/SMP Qualification" section available at the following address  
<https://peppol.agid.gov.it/en/qualification-ap-smp/>

<sup>3</sup> Refer to "OpenPEPPOL Test and Onboarding" document available at the following address  
<https://peppol.eu/support/>

<sup>4</sup> 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/>

### 3. 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<sup>5</sup>.

#### 3.1. Sending test

To execute the sending test, follow these steps:



1. **Request of identifier** - The generation of a test **Participant Identifier**<sup>6</sup> (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** synchronous response– AgID Access Point sends a synchronous response<sup>7</sup> 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 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.

<sup>5</sup> Refer to example files available at the following address <https://peppol-docs.agid.gov.it/>

<sup>6</sup> Please note that this Participant Identifier is valid **only in the scope of the test procedure**

<sup>7</sup> Please refer to the Peppol AS4 eDelivery specifications for further details:  
<https://docs.peppol.eu/edelivery/as4/specification/>

However, at the request of the sending Access Point, it's possible to execute the sending test with Documents signed 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.

### 3.2. 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 synchronous response.

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

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 cannot send a document without performing the Lookup phase**.



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## 4. Technical Notes

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### 4.1. Technical details related to AS4 transport profile

AgID Test AP address:	<a href="https://test-notier.regione.emilia-romagna.it/oxalis/as4">https://test-notier.regione.emilia-romagna.it/oxalis/as4</a>
Transport Profile:	<b>AS4</b> (peppol-transport-as4-v2_0)
Technical Contact Point e-mail:	<a href="mailto:assistenzaPEPPOL@agid.gov.it">assistenzaPEPPOL@agid.gov.it</a>
Test SML address:	<b>acc.edelivery.tech.ec.europa.eu</b>
Production SML address:	<b>edelivery.tech.ec.europa.eu</b>

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## 5. Checklist

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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	

## 5.1. Profiles and Documents customization Identifier

TYPE	PROFILE ID	DOCUMENT ID
<b>ORDER BIS 3</b>	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
<b>ORDERING BIS 3</b>	urn:fdc:peppol.eu:poacc:bis:ordering: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
		urn:oasis:names:specification:ubl:schema:xsd:OrderResponse-2::OrderResponse##urn:fdc:peppol.eu:poacc:trns:order_response:3:restrictive:urn:www.agid.gov.it:trns:risposta_ordine:3.0::2.1
<b>DESPATCH ADVICE BIS 3</b>	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:3.1::2.1

## 5.2. Sending Test Checklist

TYPE	TEST	DATE	NOTES	RESULT
<b>ORDER BIS 3</b>	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)			
<b>ORDERING BIS 3 (ORDER)</b>	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)			
<b>ORDERING BIS 3 (ORDER RESPONSE)</b>	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)			
<b>DESPATCH ADVICE BIS 3</b>	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)			

### 5.3. Receiving Test Checklist

TYPE	TEST	DATE	NOTES	RESULT
<b>ORDER BIS 3</b>	Reception from AgID AP and sending of MDN OK (attach document received and MDN sent)			
<b>ORDERING BIS 3 (ORDER)</b>	Reception from AgID AP and sending of MDN OK (attach document received and MDN sent)			
<b>ORDERING BIS 3 (ORDER RESPONSE)</b>	Reception from AgID AP and sending of MDN OK (attach document received and MDN sent)			
<b>DESPATCH ADVICE BIS 3</b>	Reception from AgID AP and sending of MDN OK (attach document received and MDN sent)			