



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

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Glossary

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 five Document Types (Invoice, Credit Note, 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 website¹.

2. 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 architecture². Even though it's 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 Test³.
- The SMP must be active and entitled to the publication of metadata on the SML. Even though it's 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 specifications⁴. 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 Refer to the specific section available at the following address: <https://peppol.agid.gov.it/>

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

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

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/>

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) actually receives a positive MDN from the receiving subject, for all the Document Types⁵.

3.1. Sending test

To execute the sending test, follow these steps:



1. **Request of identifier** - The generation of a test **Participant Identifier**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 a 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's 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's 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 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.

⁵ Refer to example files available at the following address <https://notier.regione.emilia-romagna.it/docs>

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

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 identifiers 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't send a document without performing the Lookup phase**.

4. Technical Notes

4.1. Technical details related to AS2 transport profile

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

4.2. Technical details related to AS4 transport profile

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

5. 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

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
INVOICE 2	urn:www.cenbii.eu:profile:bii05:ver2.0	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:extended:urn:www.ubl-italia.org:spec:fatturapa:ver2.0::2.1
INVOICE 3	urn:fdc:peppol.eu:2017:poacc:billing:01:1.0	urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0#compliant#urn:fatturapa.gov.it:CIUS-IT:1.0.0.20170801
CREDIT NOTE 2	urn:www.cenbii.eu:profile:bii05:ver2.0	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:extended:urn:www.ubl-italia.org:spec:fatturapa:ver2.0::2.1
CREDIT NOTE 3	urn:fdc:peppol.eu:2017:poacc:billing:01:1.0	urn:cen.eu:en16931:2017#compliant#urn:fdc:peppol.eu:2017:poacc:billing:3.0#compliant#urn:fatturapa.gov.it:CIUS-IT:1.0.0.20170801
ORDER 3	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::2.1
DESPATCH ADVICE 2	urn:www.cenbii.eu:profile:bii30:ver2.0	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:extended:urn:www.ubl-italia.org:spec:ddt:ver2.1::2.1
DESPATCH ADVICE 3	urn:fdc:peppol.eu:poacc:bis:despatch_advice:3	urn:fdc:peppol.eu:poacc:trns:despatch_advice:3:extended:urn:www.agid.gov.it:trns:ddt:3.0

5.2. Sending Test Checklist

TYPE	TEST	DATE	NOTES	RESULT
INVOICE	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	
CREDIT NOTE	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	
ORDER	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	
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	

5.3. Receiving Test Checklist

TYPE	TEST	DATE	NOTES	RESULT
INVOICE	Reception from AgID AP and sending of MDN OK		Attach document received and MDN sent	
CREDIT NOTE	Reception from AgID AP and sending of MDN OK		Attach document received and MDN sent	
ORDER	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	