PEPPOL
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Guideline

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PEPPOL Transport Infrastructure

START Access Point Services
Acceptance Test Plan

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Statement of originality

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Statement of copyright

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[3] English: Federal Computing Centre

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1 Introduction

This document describes the Acceptance Test Plan for a PEPPOL Access Point Service. The Acceptance Test Plan is a list of functional and non-functional requirements that a PEPPOL Access Point Service has to fulfil in order to claim compliant with PEPPOL requirements.

The Acceptance Test Plan is a checklist that a PEPPOL Access Point Provider must go through in their self-assessment of their PEPPOL conformance and compliance testing. It describes on a high level the various functionalities and requirements that must be tested and must be compliant with PEPPOL specifications and policies. The Acceptance Test Plan does not specify how the testing must be carried out on an operational level.

As a product of the PEPPOL compliance and conformance testing the PEPPOL Access Point Provider must submit the results of the acceptance testing to its PEPPOL Regional Authority.

1.1 Scope

This Acceptance Test Plan is for testing the behaviour of an Access Point within the PEPPOL transport infrastructure. It does not concern how to test local infrastructures, back-end systems or other components not within the PEPPOL transport infrastructure.

2 Access Point Service Acceptance Test Plan

	Deliverable	Compliant	Not compliant	Not tested	Comments
2.1 General					
1.	The Access Point Provider has signed the PEPPOL Access Point Provider Agreement				
2.	The Access Point Provider has received a valid PEPPOL certificate from the Regional Authority				
2.2 START protocol					
3.	The Access Point signs START messages with a valid certificate (either the issued AP certificate or the certificate of an identity provider)				
4.	The Access Point uses HTTPS for receiving messages				
5.	A message can be received from another Access Point using valid production certificates issued by PEPPOL for use in the transport infrastructure				
6.	A message is rejected if the sending Access Point does not use a valid certificate issued by PEPPOL for use in the transport infrastructure				
7.	A message is rejected if the sending Access Point uses an expired certificate				
8.	The Access Point responds correctly to a received PING message (optional requirement)				
9.	The Access Point uses HTTPS for sending messages				
10.	The Access Point can look up in the SML/SMP the receiving capabilities of a participant, and verifies that receiving participant is capable of receiving the messages being sent, including verifying that the transport protocol being used is supported by the recipient				
11.	The Access Point can retrieve the published endpoint URL when looking up a participant in the SML/SMP				
12.	A message can be sent to another Access Point using valid production certificates issued by PEPPOL for use in the transport infrastructure				

	Deliverable	Compliant	Not compliant	Not tested	Comments
13.	The Access Point rejects sending a message if the receiving Access Point does not sign the response messages with a valid certificate issued by PEPPOL for use in the transport infrastructure				
14.	The Access Point rejects sending a message if the receiving Access Point uses an expired certificate				
15.	The Access Point rejects sending a message if the certificate used by the receiving Access Point does not match its certificate published by the SMP				
16.	The Access Point can send a correct PING message (optional requirement)				
17.	In case of errors the Access Point responds with correct SOAP fault messages as defined in START specification				
18.	The Authentication Level indicated by the Access Point matches the level of participant authentication implemented by the Access Point Provider				
2.3 Service Level requirements					
19.	The Access Point is logging business documents and necessary data and is storing log files in a secure and safe manner				
20.	The Access Point has been designed to meet uptime requirements and a contingency plan has been developed				
21.	The Access Point service responds to other Access Point services within the established timeframe and has an established strategy for scalability				