

Discrepancies between the cipa component implementation and the PEPPOL specifications

Introduction

The information in this document describes discrepancies between the published PEPPOL Busdox specification and the software implementation of the cipa software components. The discrepancies fall into the categories of agreed changes to the Busdox specifications to be updated, and where the implementation follows the current implementation of other software solutions in order not to break compatibility and interoperability. The OpenPEPPOL Transport Infrastructure Coordinating Community Working Group has agreed with this approach.

SML

- The SML specification imposes the use of soap 1.1 but defines the soap faults using the soap 1.2 specification. The CIPA SML component uses soap 1.1 fault definitions.

Status : *Change request for the Oasis busdox TC to update spec*

SMP

- In order for the SMP rest response to be valid (the Extension element is causing issues), processContents="skip" should be added to the ExtensionType in the ServiceMetadataPublishingTypes-1.0.xsd?

Status : *Change request for busdox tc to add Process content skip to the xsd*

- In the current SMP implementation, the response for the get of the SignedServiceMetadata is not valid since the time is not included in the ServiceActivationDate and ServiceExpirationDate.

Status : *Change request for busdox tc*

The SMP specification indicates that the canonicalization algorithm should be set to <http://www.w3.org/2001/10/xml-exc-c14n#>, while in the current implementation it is set to <http://www.w3.org/TR/2001/REC-xml-c14n-20010315>

- **Decision :** *Currently canonicalization "Inclusive" is used, but the specs state "Exclusive". Inclusive is more secure as the results are unlikely to be inserted into another document.*

Status : *Change request for busdox tc to update the specification*

AP list

- According to the specification the access point should support MTOM for binary transfer. This feature is not supported by the CIPA access point.

Status : This is an open issue as there are technical issues implementing MTOM with WSRM.

- The specs indicate that all SOAP header blocks in the message defined in this profile, including all BUSDOX-namespaced headers, all WS-Addressing and any WS-ReliableMessaging headers. In the current implementation the BUSDOX-namespaced headers are not referenced in the signature.

Status: This change should be implemented in the Clpa access point but is on hold for the moment as this is a non-backward compatible change that will impact all AP implementations.

- The AP specification indicates that the WS-Security 1.1 Signature Confirmation should be used. In the current implementation it is not done, should this be updated and does this affect the WSDL?

Status: This change should be implemented in the Clpa access point but is on hold for the moment as this is a non-backward compatible change that will impact all AP implementations.