EUROPEAN COMMISSION

DIGIT
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eDelivery SMP Profile

Test Assertions Description

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Summary of Changes:

Version	Date	Created by	Short Description of Changes
v1.00	27/12/2015	Bruno POSSEMIERS Maarten DANIELS	Document creation
v1.01	15/02/2016	Bruno POSSEMIERS	Implemented comments from the e-SENS community
v1.02	13/05/2016	Patia TAIMURAZOVA	Update of the template
V1.03	09/08/2016	Bruno POSSEMIERS	Implemented comments from the e-SENS community Modifications applied according to OASIS SMP specs WD09 (published 14/06/2016)
V1.04	08/11/2016	Maarten DANIELS	Added Test Assertions SMP_TA24, SMP_TA25, SMP_TA26
V1.05	13/02/2017	Maarten DANIELS	Updated Test Assertion SMP_TA13
V1.06	01/06/2018	Maarten DANIELS	Renamed the document to eDelivery SMP Profile Test Assertions Description Removed e-SENS prefixes from the TA IDs

Table of Contents

Approach and purpose of the document

The present document describes the test assertions for the eDelivery SMP profile.

More specifically, CEF eDelivery adopted the SMP (Service Metadata Publisher) specification originally developed by PEPPOL and generalized and standardized by OASIS.

The purpose of the test assertions is to focus more on what is expected from the implementation rather than how to test it. In fact, some of the test assertions might not be testable (transformed into test cases).

This document is intended for software providers implementing the specifications of CEF eDelivery and service providers reusing the sample software of CEF eDelivery.

The applicable terms and conditions of CEF eDelivery can be consulted in its Master Service Arrangement, available on the CEF Digital Single Web Portal:

https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/eDelivery+Resources

Glossary

The key terms used in this Test Assertions Description are defined in the CEF Definitions section on the CEF Digital Single Web Portal:

https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/CEF+Definitions

The key acronyms used in this Test Assertions Description are defined in the CEF Glossary on the CEF Digital Single Web Portal:

https://ec.europa.eu/cefdigital/wiki/pages/viewpage.action?spaceKey=CEFDIGITAL&title=CEF+Glossary

1. INTRODUCTION

For cross-border messaging, the details for routing between different infrastructures are needed. The best option is to have a dynamic system to discover the corresponding gateways and whether they are capable of receiving the message including the metadata for document type. The gateways (end entities) discover their partner gateways and their routing addresses via the BDXL (SML)/SMP infrastructure.

1.1. System overview

1.1.1. System entities

Entity	Description
Service Metadata Publisher (SMP)	The Metadata Publisher hosts Metadata for each participant ID at a predefined URL. The SMP specification defines an XML-based service metadata data model and a REST binding to retrieve service metadata.
Sender	it is an entity that uses this URL in a HTTP GET operation which returns the metadata relating to that recipient's capabilities
Recipient	it is an entity that receives the Business Document containing the requested metadata

1.1.2. Messaging Model

The sender can retrieve the information necessary for setting up an interoperability process. The Service Metadata Publisher stores the interoperability metadata, which enables routing of documents received from a sender to the correct recipient. SMP service metadata is a combination of information on the end entity recipient (its identifier, supported business documents and processes in which it accepts those documents) and the gateway (metadata which includes technical configuration information on the receiving endpoint, such as the transport protocol and its address).

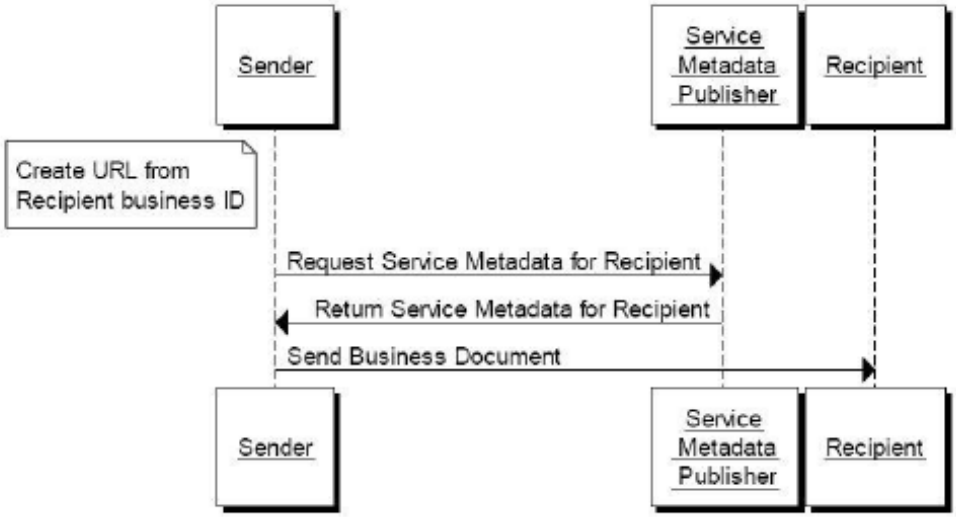

Figure 1: Messaging Model (source: SMP input specifications)

1.1.3. Definitions

Term	Description
HTTP header fields	Components of the header section of request and response messages in the Hypertext Transfer Protocol (HTTP). They define the operating parameters of an HTTP transaction. Each header field consists of a case-insensitive field name followed by a colon (":"), optional leading whitespace, the field value, and optional trailing whitespace.

1.1.4. Abbreviations

Abbreviation	Description
SMP	Service Metadata Publisher
REST	Representational State Transfer
URI	Uniform Resource Identifier
BDXL	Business Document Metadata Service Location protocol

More information can be found in the following sources:

SMP input specifications	https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/SMP+specifications
OASIS SMP specifications	http://docs.oasis-open.org/bdxr/bdx-smp/v1.0/
PEPPOL SMP test cases	https://joinup.ec.europa.eu/svn/cipaedelivery/trunk/test/Test Cases/e-Delivery - SMP.xls
[HTTP 1.1] specification	http://www.w3.org/Protocols/rfc2616/rfc2616.html
[XML 1.0] specification:	http://www.w3.org/TR/xml/
[Unicode] specification	http://www.unicode.org/versions/Unicode7.0.0/
[Uniform Resource Identifier (URI)]	https://tools.ietf.org/html/rfc3986
[XML-DSIGv1.1]	https://www.w3.org/TR/xmldsig-core1/

2. TESTABLE TEST ASSERTIONS

SMP_TA01	
TA id	SMP_TA01
Normative source	[OASIS SMP 2.1.1 – 3.4] *"If the sender client performs a service metadata request, he receives a response containing the URL and other properties of the recipient"*
Target	SMP – Service Metadata
Prerequisite	- the sender client sends a ServiceMetadata request for a recipient to an SMP - the expected status code in the response is 200 - the URI is constructed like: /{identifier scheme}::{id}/services {docType}
Predicate	the sender client receives a response from the SMP which contains a Service Metadata entity that holds all of the metadata about a Service, or a redirection URL to another Service Metadata Publisher holding this information
Prescription Level	mandatory
Tag	SMP, Service Metadata
Variable	

SMP_TA02	
TA id	SMP_TA02
Normative source	[OASIS SMP 2.1.2 – 3.4] *"If the sender client performs a service group request, he receives a response containing a ServiceGroup entity, which holds a list of references to the ServiceMetadata resources associated with it"*
Target	SMP – Service Group
Prerequisite	- the sender client sends a ServiceGroup request for a recipient to an SMP - the expected status code in the response is 200 - the URI is constructed like: /{identifierscheme}::{id}
Predicate	the sender client receives a response from the SMP which contains a Service Group entity that holds the Participant Identifier of the recipient and a list of references to individual Service Metadata resources that are associated with that participant identifier
Prescription Level	mandatory
Tag	SMP, Service Group
Variable	

SMP_TA03	
TA id	SMP_TA03
Normative source	[OASIS SMP 2.1.3] *"If the sender client performs a service metadata request and the owner of a Participant Identifier uses different Service Metadata Publishers for different document types or processes, he is redirected by the Service Metadata Publisher to a secondary, remote Service Metadata Publisher where the actual SignedServiceMetadata can be found. As a result, in the response, the SignedServiceMetadata resource contains a redirection URL to another Service Metadata Publisher. The sender client can use the redirection URL to retrieve the SignedServiceMetadata resource of the Recipient in another SMP"*
Target	Redirection
Prerequisite	- the sender client sends a ServiceMetadata request for a recipient to an SMP - the expected status code in the response is 200 - the URI is constructed like: /{identifier scheme}::{id}/services/{docType} - the SMP contains a redirect element
Predicate	the sender client receives a response from the SMP which contains a Service Metadata entity that holds a redirection URL to another Service Metadata Publisher
Prescription Level	mandatory
Tag	redirection, Signed Service Metadata
Variable	

SMP_TA04	
TA id	SMP_TA04
Normative source	[OASIS SMP 2.3.4.1] *"In the case where a client encounters a redirection element, the client MUST follow the first redirect reference to the alternative SMP."*
Target	Redirection
Prerequisite	- the client makes a request for a specific doctype - the requested metadata is located in another SMP
Predicate	the response contains a redirect element with the URL of another SMP
Prescription Level	mandatory
Tag	redirection
Variable	

SMP_TA05	
TA id	SMP_TA05
Normative source	[OASIS SMP 2.3.3.3] *"References MUST refer to SignedServiceMetadata records that are signed by the certificate of the SMP. It must not point to SignedServiceMetadata resources published by external SMPs"*
Target	ServiceMetadataReference
Prerequisite	SMP_TA02
Predicate	All referenced records should be using the signing certificate from the SMP.
Prescription Level	mandatory
Tag	service metadata reference, signed service metadata
Variable	

SMP_TA06	
TA id	SMP_TA06
Normative source	[OASIS SMP 2.3.4.3] *"The REQUIRED «href» attribute of the Redirect element contains the full address of the destination SMP record that the client is redirected to"*
Target	Redirection
Prerequisite	- the sender client constructs a URL based on participant identifier and doctype - the SMP returns a Signed Service Metadata resource with a redirect child element
Predicate	The redirect element contains a "href" attribute with the full address that points to a secondary SMP record. Compare the url of the first SMP with the url that points to the second SMP (http://smp1/part1/part2/part3 vs http://smp2/part1/part2/part3)
Prescription Level	mandatory
Tag	redirection
Variable	

SMP_TA07	
TA id	SMP_TA07
Normative source	[OASIS SMP 2.3.4.4] *"The participant identifier comprises the identifier, and an identifier scheme. This identifier MUST have the same value of the {id} part of the URI of the enclosing ServiceMetadata resource"*
Target	ParticipantIdentifier
Prerequisite	the sender client constructs a URL based on participant identifier and doctype
Predicate	the {id} part represented in the XML of the ServiceMetadata resource is the same as the {id} part in the composed URL
Prescription Level	mandatory
Tag	participant identifier, service metadata
Variable	

SMP_TA08	
TA id	SMP_TA08
Normative source	[OASIS SMP 2.3.4.3] *"For the list of endpoints under each <Endpoint> element in the ServiceEndpointList, each endpoint MUST have different values of the transportProfile attribute, i.e. represent bindings to different transports"*
Target	endpoints
Prerequisite	- SMP_TA01 - the returned metadata contains a Service Endpoint list with multiple Endpoints
Predicate	The <Endpoint> elements in the Service Endpoint List contain different values for each transport Profile attribute
Prescription Level	mandatory
Tag	endpoint, transport profile
Variable	

SMP_TA9a	
TA id	SMP_TA9a
Normative source	[OASIS SMP 2.4.5] *"Participant identifiers SHOULD consist of a scheme identifier in addition to the participant identifier itself. Here the scheme identifier indicates the specification of the participant identifier format, i.e. its representation and meaning."*
Target	participant identifiers
Prerequisite	the sender constructs a URL containing a participant identifier and a scheme identifier in order to interrogate the SMP
Predicate	status code 200 gets returned by the SMP
Prescription Level	preferred
Tag	participant identifier, scheme identifier
Variable	

SMP_TA9b	
TA id	SMP_TA9b
Normative source	[OASIS SMP 2.4.5] *"Participant identifiers SHOULD consist of a scheme identifier in addition to the participant identifier itself. Here the scheme identifier indicates the specification of the participant identifier format, i.e. its representation and meaning."*
Target	participant identifiers
Prerequisite	the sender constructs a URL containing a participant identifier without a scheme identifier in order to interrogate the SMP
Predicate	status code 200 gets returned by the SMP
Prescription Level	preferred
Tag	participant identifier, scheme identifier
Variable	

SMP_TA10	
TA id	SMP_TA10
Normative source	[OASIS SMP 2.4.5.2] *"A participant identifier scheme MAY define its own requirements for case sensitivity handling. Unless defined differently by the participant identifier scheme, a participant identifier in XML format MUST be treated as case insensitive."*
Target	participant identifiers
Prerequisite	- the SMP contains a participant identifier in XML format (check: [XML 1.0] specification: http://www.w3.org/TR/xml/) - there are no requirements defined for case sensitivity handling by the participant identifier scheme
Predicate	the processing of the participant identifier is treated as case insensitive
Prescription Level	mandatory
Tag	participant identifier, XML format, case sensitivity handling
Variable	

SMP_TA11	
TA id	SMP_TA11
Normative source	[OASIS SMP 2.4.5.3] *"In a URL, the string represented by «{identifier scheme}::{id}» MUST be percent encoded following and the guidelines given above*."
Target	participant identifier scheme
Prerequisite	the sender constructs a URL containing a string: {identifier scheme}::{id} that is percent encoded (replace ":" separator by "%3a" and "#" by "%23")
Predicate	the SMP returns the requested information
Prescription Level	mandatory
Tag	participant identifier scheme, encoding
Variable	

SMP_TA12	
TA id	SMP_TA12
Normative source	[OASIS SMP 2.4.5.3] *"A participant identifier scheme MAY define its own requirements for case sensitivity handling. Unless defined differently by the participant identifier scheme, a participant identifier in a URL MUST be treated as case insensitive."*
Target	participant identifiers
Prerequisite	- there are no requirements defined for case sensitivity handling by the participant identifier scheme - the sender constructs a URL containing a participant identifier and scheme
Predicate	the processing of the participant identifier is treated as case insensitive
Prescription Level	mandatory
Tag	participant identifier, case sensitivity
Variable	

SMP_TA13	
TA id	SMP_TA13
Normative source	[OASIS SMP 2.4.6] *"The scheme of the document identifier MUST be in the form of a URI."*
Target	document identifier scheme
Prerequisite	the sender constructs a URL containing a document identifier and scheme
Predicate	the scheme of the document identifier is in the form of a URI
Prescription Level	mandatory
Tag	document identifier scheme, URI
Variable	

SMP_TA14	
TA id	SMP_TA14
Normative source	[OASIS SMP 2.4.6.2] *"A document identifier scheme MAY define its own requirements for case sensitivity handling. Unless defined differently by the document identifier scheme, a document identifier in XML format MUST be treated as case insensitive."*
Target	document identifiers
Prerequisite	- there are no requirements defined for case sensitivity handling by the document identifier scheme - the sender constructs a URL containing a document identifier in XML format
Predicate	the server processes the request regardless of the case formatting of the doc id
Prescription Level	mandatory
Tag	document identifier, XML format
Variable	

SMP_TA15	
TA id	SMP_TA15
Normative source	[OASIS SMP section 3.2] *"A service implementing the REST binding MUST support [HTTP 1.1], and MUST set the HTTP "content-type" header and give it a value of "text/xml"."*
Target	HTTP 1.1 support
Prerequisite	- SMP uses REST as a binding - the client executes a request for info available in the SMP using HTTP 1.1
Predicate	- the client receives the requested data (check [HTTP 1.1] specification: http://www.w3.org/Protocols/rfc2616/rfc2616.html) - the HTTP content-type header is set to "text/xml" in the requested Metadata
Prescription Level	mandatory
Tag	REST binding, HTTP1.1, HTTP header
Variable	

SMP_TA16	
TA id	SMP_TA16
Normative source	[OASIS SMP section 3] *"HTTP GET operations MUST return the status code 200 if the resource is retrieved correctly."*
Target	Service Group resource retrieval
Prerequisite	- SMP uses REST as a binding - the ServiceGroup exists on the SMP - the URI is constructed like: //{hostname}/{identifier scheme}::{id} - the sender requests the ServiceGroup from the SMP and the resource is retrieved correctly
Predicate	- HTTP GET returns status code 200 - The returned content holds the Participant Identifier of the recipient, and a list of references to individual ServiceMetadata resources that are associated with that participant identifier
Prescription Level	mandatory
Tag	HTTP GET, Service Group, resource retrieval
Variable	

SMP_TA17	
TA id	SMP_TA17
Normative source	[OASIS SMP section 3] *"HTTP GET operations MUST return the status code 200 if the resource is retrieved correctly."*
Target	Service Metadata resource retrieval
Prerequisite	- the SignedServiceMetadata exists on the SMP - the URI is constructed like: //{hostname}/{identifier scheme}::{id}/services/{doctype} - the sender requests metadata from the SMP and the resource is retrieved correctly
Predicate	- HTTP GET returns status code 200 - The returned content holds all of the metadata about a Service, or a redirection URL to another Service Metadata Publisher holding this information
Prescription Level	mandatory
Tag	HTTP GET, Signed Service Metadata, resource retrieval
Variable	

SMP_TA18	
TA id	SMP_TA18
Normative source	[OASIS SMP section 3.2] *"HTTP GET operations MUST return the status code 404 if a specific resource could not be found. This could for example be the result of a request containing a Participant Identifier that does not exist."*
Target	resource retrieval
Prerequisite	- the URI is constructed like: //{hostname}/{identifier scheme}::{id} - the sender requests metadata from the SMP but the resource does not exist or is unknown
Predicate	HTTP GET returns status code 404
Prescription Level	mandatory
Tag	HTTP GET, Servicegroup
Variable	

SMP_TA19	
TA id	SMP_TA19
Normative source	[OASIS SMP section 3.2] *"The service SHOULD NOT use redirection in the manner indicated by the HTTP 3xx codes. Clients are not required to support active redirection."*
Target	redirection
Prerequisite	- The SMP contains a redirect element for the participant identifier for which the request has been made - the sender requests metadata from the SMP
Predicate	HTTP GET returns status code 200
Prescription Level	preferred
Tag	redirection, HTTP GET
Variable	

SMP_TA20	
TA id	SMP_TA20
Normative source	[OASIS SMP section 3.3] *"XML documents returned by HTTP GET MUST be well-formed according to [XML 1.0]. They MUST contain an XML declaration starting with "<?xml"."*
Target	XML formatting of documents
Prerequisite	- the recipient receives a business document returned by HTTP GET containing the requested Metadata in XML format
Predicate	- the XML declaration starts with "<?xml" - version 1.0 is of XML is used in the document - the XML is well-formed according to the [XML 1.0] specification: http://www.w3.org/TR/xml/
Prescription Level	mandatory
Tag	HTTP GET, XML format
Variable	

SMP_TA21	
TA id	SMP_TA21
Normative source	[OASIS SMP section 3.3] *"XML documents returned by HTTP GET MUST be well-formed according to [XML 1.0] and MUST be UTF-8 encoded ([Unicode]).* *They MUST contain an XML declaration which includes the «encoding» attribute set to "UTF-8"."*
Target	XML documents UTF-8 encoding
Prerequisite	- the recipient receives a business document returned by HTTP GET containing the requested Metadata in XML format
Predicate	The XML document is UTF-8 encoded check for [Unicode] specification: http://www.unicode.org/versions/Unicode7.0.0/
Prescription Level	mandatory
Tag	HTTP GET, UTF-8 encoding
Variable	

SMP_TA22	
TA id	SMP_TA22
Normative source	[OASIS SMP section 3.6] *"The message returned by the service is signed by the Service Metadata Publisher with XML-Signature [XML-DSIGv1.1]. The signature MUST be an enveloped XML signature represented via an <ds:Signature> element embedded in the <SignedServiceMetadata> element."*
Target	Signed Service Metadata
Prerequisite	- The Sender requests signed Metadata from the SMP
Predicate	- The Metadata returned by the SMP contains a <ds:Signature> element embedded in the <SignedServiceMetadata> element
Prescription Level	mandatory
Tag	Signed Service Metadata, XML-Signature
Variable	

SMP_TA23	
TA id	SMP_TA23
Normative source	[OASIS SMP section 3.6] *"The <ds:Signature> element MUST be constructed according to the following rules:* - *The <Reference> MUST use exactly one Transform http://www.w3.org/2000/09/xmldsig#enveloped-signature* - *The <ds:KeyInfo> element MUST contain an <ds:X509Data> element with an <ds:X509Certificate> sub-element containing the signer's X.509 certificate as base 64 encoded X509 DER value* - *The canonicalization algorithm MUST be http://www.w3.org/TR/2001/REC-xml-c14n-20010315* - *The SignatureMethod MUST be http://www.w3.org/2001/04/xmldsig-more#rsa-sha256* - *The DigestMethod MUST be http://www.w3.org/2001/04/xmlenc#sha256"*
Target	Signed Service Metadata
Prerequisite	- SMP uses REST as a binding - The Sender requests signed Metadata from the SMP
Predicate	The <ds:Signature> element is constructed according to the following rules: The <Reference> uses exactly one Transform: http://www.w3.org/2000/09/xmldsig#enveloped-signature The <ds:KeyInfo> element contains an <ds:X509Data> element with an <ds:X509Certificate> sub-element containing the signer's X.509 certificate as base 64 encoded X509 DER value The canonicalization algorithm is: http://www.w3.org/TR/2001/REC-xml-c14n-20010315 The SignatureMethod is: http://www.w3.org/2001/04/xmldsig-more#rsa-sha256 The DigestMethod is: http://www.w3.org/2001/04/xmlenc#sha256
Prescription Level	mandatory
Tag	Signed Service Metadata, XML-Signature
Variable	

SMP_TA24	
TA id	SMP_TA24
Normative source	[OASIS SMP 2.4.5.2] *"A participant identifier scheme MAY define its own requirements for case sensitivity handling. Unless defined differently by the participant identifier scheme, a participant identifier in XML format MUST be treated as case insensitive."*
Target	participant identifiers
Prerequisite	- the SMP contains a participant identifier in XML format (check: [XML 1.0] specification: http://www.w3.org/TR/xml/) - the participant identifier scheme is defined to be treated as case sensitive
Predicate	the processing of the participant identifier is treated as case sensitive
Prescription Level	preferred
Tag	participant identifier, XML format, case sensitivity handling
Variable	

SMP_TA25	
TA id	SMP_TA25
Normative source	[OASIS SMP 2.4.5.3] *"A participant identifier scheme MAY define its own requirements for case sensitivity handling. Unless defined differently by the participant identifier scheme, a participant identifier in a URL MUST be treated as case insensitive."*
Target	participant identifiers
Prerequisite	- the participant identifier scheme is defined to be treated as case sensitive - the sender constructs a URL containing a participant identifier and scheme
Predicate	the processing of the participant identifier is treated as case sensitive
Prescription Level	preferred
Tag	participant identifier, case sensitivity
Variable	

SMP_TA26	
TA id	SMP_TA26
Normative source	[OASIS SMP 2.4.6.2] *"A document identifier scheme MAY define its own requirements for case sensitivity handling. Unless defined differently by the document identifier scheme, a document identifier in XML format MUST be treated as case insensitive."*
Target	document identifiers
Prerequisite	- the document identifier scheme is defined to be treated as case sensitive - the sender constructs a URL containing a document identifier in XML format
Predicate	the processing of the document identifier is treated as case sensitive
Prescription Level	preferred
Tag	document identifier, XML format
Variable	

3. NOT TESTABLE TEST ASSERTIONS

It is assumed that currently the Test Assertions in this chapter cannot be transferred into useful Test Cases.

However, these Test Assertions might contain valuable information against which an implementation or configuration can be checked or they might be able to be transferred into useful Test Cases in the future.

For these reasons the not testable Test Assertions are available in this document in a separate chapter and are using a distinct naming convention.

SMP_TAB1	
TA id	SMP_TAB1
Normative source	[OASIS SMP 2.3.4.1] *"If the SignedServiceMetadata resource at the alternative SMP also contains a redirection element, the client SHOULD NOT follow that redirect. It is the responsibility of the client to enforce this constraint."*
Target	redirection
Prerequisite	there should be a double redirection at both the origin and first redirection SMP
Predicate	there are no double redirections possible in the SMP
Prescription Level	preferred
Tag	redirection, SignedServiceMetadata
Variable	

SMP_TAB2	
TA id	SMP_TAB2
Normative source	[OASIS SMP 2.4.3] *"When any type of identifiers are used in URLs, each section between slashes MUST be percent encoded individually, i.e. section by section."*
Target	identifiers
Prerequisite	the sender constructs a URL containing an identifier of any type
Predicate	each section between slashes in the URL is percent encoded
Prescription Level	mandatory
Tag	identifiers, encoding
Variable	

SMP_TAB3	
TA id	SMP_TAB3
Normative source	[OASIS SMP 2.4.5.2] *"The scheme type of a participant identifier MUST be in the form of a URI."*
Target	participant identifiers
Prerequisite	the client makes a request for info about for an existing participant identifier
Predicate	the scheme of the participant identifier is presented in the form of a URI
Prescription Level	mandatory participant identifier scheme, URI
Tag	participant identifier scheme, URI
Variable	

SMP_TAB4	
TA id	SMP_TAB4
Normative source	[OASIS SMP section 3.2] *"HTTP GET operations MUST return the status code 500 if the service experiences an internal processing error."*
Target	resource retrieval
Prerequisite	- the sender requests metadata from the SMP but there is an internal processing error
Predicate	HTTP GET returns status code 500
Prescription Level	mandatory
Tag	resource retrieval, HTTP GET
Variable	

SMP_TAB5	
TA id	SMP_TAB5
Normative source	[OASIS SMP 2.3.2] *"SMP publishing services MUST NOT produce metadata that contain extensions necessary for a Client to understand in order to make use of this metadata. The ability to parse and adjust client behaviour based on an extension element MUST NOT be a prerequisite for a client to locate a service, or to make a successful request at the referenced service."*
Target	extension points
Prerequisite	- the sender requests metadata from the SMP - the metadata contains an extension element
Predicate	The response does not contain an extension element that contains essential information for the client to be able to locate the service or to be able to use the metadata
Prescription Level	mandatory
Tag	extension element
Variable	

SMP_TAB6	
TA id	SMP_TAB6
Normative source	[OASIS SMP 2.4.6] *"XML documents with only local names MUST NOT be referenced using Service Metadata Publishing:"*
Target	document identifiers
Prerequisite	the sender constructs a URL containing a document identifier in XML format
Predicate	the metadata returned by the SMP does not consist of local names only
Prescription Level	mandatory
Tag	document identifiers, local names, Service Metadata Publishing
Variable	

SMP_TAB7	
TA id	SMP_TA24
Normative source	[OASIS SMP section 3.5] *"For referencing the SMP REST binding, for example from Business Document Metadata Service Location records, the following identifier should be used for the version 1.0 of the SMP REST binding: http://docs.oasis-open.org/bdxr/ns/SMP/2016/05."*
Target	SMP REST binding
Prerequisite	- SMP uses version 1.0 of the SMP REST binding - a BDXL record is present
Predicate	the following identifier has been used for the version 1.0 of the SMP REST binding: http://docs.oasisopen.org/bdxr/ns/SMP/2016/05
Prescription Level	preferred
Tag	REST binding, BDXL
Variable	

4. CONTACT INFORMATION

CEF Support Team

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- Standard Service: 8am to 6pm (Normal EC working Days)
- Standby Service*: 6pm to 8am (Commission and Public Holidays, Weekends)

* *Only for critical and urgent incidents and only by phone*