



# Deployment Profile Template v1.1

## For OASIS ebXML Collaboration-Protocol Profile and Agreement (CPP/A) 2.0 Standard

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**Abstract:**

(Refer to Section 1.1, Purpose.)

**Status:**

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# 1 Introduction

## 1.1 Purpose

The ebXML CPPA 2.0 [ebCPPA] contains several configurable features and options. Any use of CPPA requires a certain amount of standardization within a trading community. In order to foster interoperability on multiple levels between participants, these communities will want to (1) document additional conventions on CPPA elements format and content, (2) define CPP or CPA templates that may be partially filled-in, and that represent an agreement baseline in the user community.

This Deployment Profile Template for CPPA 2.0 is intended to be filled or instantiated by one or more user communities. Once instantiated and optionally extended with material that is specific to this community, it becomes a Deployment Profile, or Guide. It is the intention of the OASIS ebXML IIC Technical Committee to collect and archive examples of Deployment Profiles created from this Template, as an aid to user communities whose standardization efforts involve the creation of ebXML CPPA documents.

Business partners may define CPP that represent their capabilities and roles they can assume. Another approach is for a business party to directly start by defining a CPA profile that this party will pre-fill with its own data, and that it will communicate to its partners for them to complete. The partially created CPA (or CPA profile) will narrow the options that a CPP would offer, down to a very specific way under which this party wishes to interoperate. This is the approach suggested here.

A party may define a few of such CPA profiles that express different modes of connectivity, different roles and collaborations and different QoS attributes. The reason for doing so is that its business partners may have different profiles (e.g. large business, small business, etc.).

## 1.2 Terminology

The keywords *must*, *must not*, *required*, *shall*, *shall not*, *should*, *should not*, *recommended*, *may*, and *optional* in this document are to be interpreted as described in [RFC2119].

**Source Specification:** The specification or standard that is being profiled.

**Deployment Profile Template:** Document that lists the options in the source specification that may be selected by a user community, that identifies content elements (e.g. message headers, XML values) the format and/or value of which may be further standardized by a community, and that also identifies typical operating conditions under which the source specification may be used, and selected by a user community.

**User Community:** A group of users, e.g. within a supply-chain industry, the members of which decide to make a similar usage of the source specification in order to be able to interoperate.

**Deployment Profile (or Deployment Guide):** Document that is an instance of the Deployment Profile Template. It defines which options should / should not be used by this community, which format or value some content elements should comply with, and under which operating conditions the standard must be used by this community.

## 1.3 How to Use the Deployment Profile Template

There are three parts in the Deployment Profile Template that need to be instantiated in order to generate a Deployment Profile:

- The section on the source specification modules (see section 2 below)
- The section on the profiling requirement details (see section 3 below)
- The section on operating conditions associated with the profile (see section 4 below)

Every feature from the source specification that is candidate for profiling is listed in a profiling table. Each profiling table corresponds to a functional subset of a CPA. In case a CPA element requires a detailed profiling recommendation, this will be specified in another table called a “profile requirement item” table, which is of the form:

Specification Feature	<Description of the source specification item to be profiled. This is pre-filled in the Deployment Profile Template.>
Specification Reference	<Identifies the item in the source specification. This is pre-filled in the Deployment Profile Template >
Profiling	<how the item is profiled: option narrowing/selection, content formatting, narrowing structure of XML complex element, content integrity constraint,... This is left for a Deployment Profile to fill in. >
Alignment	<dependency / alignment with other data, e.g. binding, either with other item in this same specification, items from other ebXML specifications, or items specified in an external source, e.g. a domain-specific or industry-specific standard. This is left for a Deployment Profile to fill in. >
Test References	<references to related test requirements or test cases, that would verify this profiling. This is left for a Deployment Profile to fill in. >
Notes	<Profile-specific comments.This is left for a Deployment Profile to fill in.>

When no recommendation is made for a profile requirement item of the template, one of the following values MUST be used in the “profiling” and “alignment” fields of the table:

- **Not Applicable:** for items that are not relevant to the community.
- **No Recommendation:** will indicate that there is no recommendation or requirement for this feature item.
- **Pending:** for items that are still under study for a recommendation, and for which some recommendation is likely to be specified in future versions of the Deployment Profile (yet, the user community did not want to wait for these to be specified before publishing a current version of the Profile or Guide.)

For items that specify text values, it should also be noted whether or not the values are case-sensitive.

Two classes of users would be expected to collaborate in the instantiation of this Template to produce a Deployment Guide (or Profile):

- Business Process Designers would detail the business-process specific requirements of the Message Service.
- Technical Architects in user communities or vertical industries would make the technical decisions necessary to implement the business processes most effectively.

Consumers of a Deployment Guide include:

- Business process implementers (IT departments), to deploy a Message Service solution according to the requirements of specific trading communities.
- Software solution vendors, to identify all areas in which business process specification bodies require software flexibility, and what specific configurations are necessary to support such standards.

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## 2 Profiling the Modules of CPPA 2.0

In this section, users will only specify which modules of the source specification are used in this profile (i.e. modules that business partners need to use or support in order to comply with the profile and communicate with others who do comply). For each used module, users also specify whether the module has been profiled or not. If yes, some profiling details should be given for this module in section 3 or 4.

### 2.1 Core CPA Modules

Module Name and Reference	CPA Template Info
Profiling Status	Usage: <required / optional / never used in this profile> Profiled: <yes / no>
Notes	

Module Name and Reference	CPA Party Info
Profiling Status	Usage: <required / optional / never used in this profile> Profiled: <yes / no>
Notes	

Module Name and Reference	CPA Collaboration Roles
Profiling Status	Usage: <required / optional / never used in this profile> Profiled: <yes / no>
Notes	

Module Name and Reference	CPA Delivery Channels
Profiling Status	Usage: <required / optional / never used in this profile> Profiled: <yes / no>
Notes	

Module Name and Reference	CPA Document Exchanges
Profiling Status	Usage: <required / optional / never used in this profile> Profiled: <yes / no>
Notes	

Module Name and Reference	CPA Transport protocol
Profiling Status	Usage: <required / optional / never used in this profile> Profiled: <yes / no>
Notes	

## 2.2 Optional CPA Modules

Module Name and Reference	
Profiling Status	Usage: <required / optional / never used in this profile> Profiled: <yes / no>
Notes	

---

## 3 Profile Requirements Details

### 3.1 Introduction

The profiling and definition of CPA data (both instance and template) can be facilitated using a set of forms. Each element (or entry) in these forms map to a CPA element. Either the name of the entry is explicit enough to refer to the corresponding CPA element, or the name of the corresponding CPA element is mentioned in clear, usually prefixed with the qualifier “tp:” (e.g. tp:channelID).

When entries in these forms must conform to some additional rule (e.g. map to a value in a third party specification), it is indicated in the form entry.

When entries in these forms are left to the user to instantiate as s/he wants to, the entry value is left empty (or just referring to the actual name of the CPA element, e.g. tp:TransportID)

The way this section can be used for profiling is as follows:

For each major part of a CPA / CPP (Party Info, Collaboration Roles...), a general profiling table indicates all CPP/CPA elements that belong to this part. If the value profile for some of these can be expressed shortly enough, it can be described in the table itself.

If the value profile for some table entry requires more explanation (e.g. choice among several options, with comments, etc. as shown in examples Section 3.6 “Document Exchanges”, then it is best to use a Profile Requirement Item table, see examples 3.6.2, and 3.6.3. In that case, the corresponding entry in the main table should refer to the Item table that profiles it

### 3.2 Defining the CPA Profile Meta-Data

#### 3.2.1 Profiling Table

This table or form is used to identify the CPA profile, and also any CPA instance that is derived from a profile. The CPA profile is defined here as specific to one business partner (the ID of which appears in the profile name) though that is a user community choice. The form below recommends some naming conventions for the CPA and its parts.

Form: CPA Profile Info		
CPA Profile Info	Name	<p>[Provide a name for the Collaboration Protocol Agreement profile,. The name should identify when applicable: (a) the version of CPA, (b) the community sharing this profile, (c) type of artifact (here a profile), (d) name of profile, (e) party ID if this profile is attached to a party.]</p> <p>Example: “CPA2.0-ACMEgroup-Profile-“&lt;profileID&gt;”-“&lt;partner1&gt;”-“&lt;string&gt;”</p> <p>Examples of names: CPA2.0-ACMEgroup-Profile-P15-myDUNS- CPA2.0-RosettaNet- Profile -TP31-222222-TProfile2</p>

	File name	<p>[Provide a file name for the Collaboration Protocol Agreement template file.]</p> <p>“CPA2.0-ACMEgroup- Profile -“&lt;profileID&gt;”-“&lt;partner1&gt;”-“&lt;string&gt;”-file”</p> <p>(followed by appropriate suffix – e.g. .xml for the XML definition.)</p> <p>Examples:</p> <p>CPA2.0-ACMEgroup- Profile -P15-222222-PIP3A4-file.pdf</p> <p>CPA2.0-HL7- Profile -TP31-222222-TProfile2-file.xml</p>
CPA Instance Info	Name	<p>[Define the name format for the CPA instances resulting from using this profile. The name should identify when applicable: (a) the version of CPA, (b) the community sharing this instance, (c) type of artifact (here an instance), (d) name of instance, prefixed by profile it is derived from, (e) party IDs]</p> <p>Example:</p> <p>“CPA2.0-ACMEgroup-“&lt; profileID &gt;”-“&lt;instID&gt;”-“&lt;partner1-partner2&gt;”</p> <p>Example:</p> <p>CPA2.0-ACMEgroup-instance-P15-001-222222-333333</p> <p>CPA2.0-HL7-instance-TP2-004-222222-333333</p>
	File name	<p>[Define the file name format for a Collaboration Protocol Agreement instance.]</p> <p>Example:</p> <p>“CPA2.0-ACME-“&lt; profileID &gt;”-“&lt;instID&gt;”-“&lt;partner1-partner2&gt;”-file”</p> <p>(followed by appropriate suffix – e.g. .xml for the XML definition.)</p> <p>Example:</p> <p>CPA2.0-ACME-P15-001-222222-333333-file.pdf</p> <p>CPA2.0-ACME-TP2-004-222222-333333-file.xml</p>
	CPA Id	<p>[Define the format of the CPA Id. Must align with CPAId in message header.]</p> <p>Example: same as CPA name, i.e.:</p> <p>“CPA2.0-ACME-“&lt; profileID &gt;”-“&lt;instID&gt;”-“&lt;partner1-partner2&gt;”</p>
	Lifetime of CPA	<b>Start:</b> [The starting date and time of the agreement.]
		<b>End:</b> [The end date and time of the agreement. The start and end date/times define the duration that the agreement is in effect.]
	Context of application	<b>ConversationLimit:</b> [NONE or numeric value. The agreement is terminated (no longer valid) when the conversation limit is reached.]
<b>Concurrent Conversation Limit:</b> [NONE or numeric value. The maximum number of conversations that can be in process at the same time. Provide this value when there are constraints that		

		limit the number of business transactions that one or more of the parties can process simultaneously. Note that this value must be aligned with what the process definition (if ebBP is being used) allows.]
--	--	--

### 3.2.2 Profile Requirement Item: [name of CPA element / attribute]

<If needed, any more detailed profiling recommendation will be defined in such a table below, one for each CPA element that requires a detailed profiling.>

Specification Feature	
Specification Reference	CPPA V 2.0, section ...
Profiling	
Alignment	
Test References	
Notes	

## 3.3 Profiling the Party Info

### 3.3.1 Profiling Table

This form is used to identify the parties involve. A CPA template will typically contain one of these fully instantiated. At least another one of these will need to be filled by another business partner in order to produce a complete CPA instance.

Form: Party Info		
CPA Reference	[CPA Profile name]	
	[CPA Instance name, if used for instantiating a particular CPA profile]	
Party element	PartyId	[The formal unique identifier for the organization. Must align with eb:PartyId in message header (section 4)] All Party ID elements present in CPA must appear in the ebMS message header.

	Type	[Must align with eb:PartyId/@type in ebMS message header (section 4)]
	Reference	[A URL or URI that points to a location (e.g. web page or directory) where more information can be found on the party.]
Collaboration Roles elements	[List the collaboration role names that this party is expected to fulfill. The role names need to be unique within this list. Each role will be detailed in a CollaborationRole form. Note that a party could report several of the roles allowed by a single business transaction, if it can be involved in different instances of such a transaction, with a different role.]	
	CollaborationRole 1	Process Name [maps to eb:Service I header] Role Name [maps to eb:Role in header]
	CollaborationRole 2	Process Name [maps to eb:Service I header] Role Name [maps to eb:Role in header]
	(others?)	
Certificates elements	[List the certificates info and ID.]	
	Certificate 1	
	Certificate 2	
	(others?)	
DeliveryChannels elements	[describes a <i>Party's Message</i> -receiving and <i>Message</i> -sending characteristics. It consists of one document-exchange definition and one transport definition. The details of each DeliveryChannel element will be specified in a different form.]	
	DeliveryChannel 1	[give only the tp:channelId]
	DeliveryChannel 2	[give only the tp:channelId]
	(others?)	
Transports elements		
	Transport ID	[tp:TransportId]
Documents Exchanges		
	Exchange ID	[tp:docExchangeId]

### 3.3.2 Profile Requirement Item: [name of CPA element / attribute]

<If needed, any more detailed profiling recommendation will be defined in such a table below, one for each CPA element that requires a detailed profiling.>

Specification Feature	
Specification Reference	CPPA V 2.0, section ...
Profiling	
Alignment	
Test References	
Notes	

## 3.4 Profiling the Collaboration Roles

### 3.4.1 Profiling Table

This form is used to identify the roles in which a party may be acting under this CPA or CPA template. One form will be filled for each role.

Form: ColaborationRole Info		
CPA Reference	[CPA Profile name]	
	[CPA Instance name, if used for instantiating a particular CPA profile ]	
Role Identification	Name	[maps to eb:Role]
	Type	[xlink:type], e.g. "simple"
	href	[xlink:href] Example: xlink:href="http://www.rosettnet.org/processes/3A4.xml#Buyer">
Application Certificate	ID:	
	Comments:	
Process Specification	name	
	Short description	

	version	[Version of the business process specification]		
	type			
	Uuid	tradingpartner uuid → attribute uuid of BPSS definition when present (attr in process specification top element) (Example= "urn:icann:rosettnet.org:bpid:3A4\$2.0")		
Service Binding item (One for every Action or Signal message)	Associated Service name	[tp:ServiceBinding/tp:Service value] Maps to eb:Service (see Section 4 Message Description)		
	Action direction	[send / receive ]		
	Action Binding	[tp:id] example: companyA_ABID1 (to be used for further references. Unique)		
		[tp:action] example: "Purchase Order Request Action" maps to eb:Action ( <b>see Section 4, Message Description</b> )(e.g. = "PurchaseOrderRequestAction")		
		[tp:packageId] Example: tp:packageId= "CompanyA_RequestPackage". Refers to MIME structure of payload.		
	Business Transaction Characteristics	tp:isNonRepudiationRequired		
		tp:isNonRepudiationReceiptRequired		
		tp:isConfidential	(using SSL or digital envelope)	
		tp:isAuthenticated		
		tp:isTamperProof		
tp:isAuthorizationRequired				
tp:timeToAcknowledgeReceipt				
tp:timeToPerform				
tp:isIntelligibleCheckRequired				
tp:timeToAcknowledgeReceipt				

		Tp: timeToAcknowledgeAcceptance	
		Tp: retryCount	

### 3.4.2 Profile Requirement Item: [name of CPA element / attribute]

<This is an example of profile requirement item that is dedicated to the customization of collaborations, in case some user-defined signals are being used for which XML schemas need be agreed upon and shared.>

Specification Feature	Tp:ProcessSpecification
Specification Reference	CPPA V 2.0, section 9.12
Profiling	The process specification of tp:name = "ABC3A4RequestPurchaseOrder" must use the ad-hoc signal "ABC". The CPA extensibility point "XYZ" must be set to the XML schema URI of this signal.
Alignment	The schema URI for the signal "ABC" is: (...)
Test References	
Notes	

### 3.4.3 Profile Requirement Item: [name of CPA element / attribute]

<If needed, any more detailed profiling recommendation will be defined in such a table below, one for each CPA element that requires a detailed profiling.>

Specification Feature	
Specification Reference	CPPA V 2.0, section ...
Profiling	

Alignment	
Test References	
Notes	

## 3.5 Profiling the Delivery Channels

### 3.5.1 Profiling Table

**Delivery Channels** - A delivery channel describes a *Party's Message*-receiving and *Message*-sending characteristics. It consists of one document-exchange definition and one transport definition. When defining a CPA for use with ebMS, one delivery channel will not depend on parties involved and will be used for MSH-to-MSH signaling: the default MSH channel (see the DefaultMSHChannelId in **[ebCPSA]**),

Form: Delivery Channel Info		
CPA Reference	[CPA Profile name]	
	[CPA Instance name, if used for instantiating a particular CPA profile]	
Identity and Components	channelId	
	transportId	
	docExchangeId	
Messaging Characteristics	syncReplyMode	
	ackRequested	Reliable Messaging parameter for Guaranteed Delivery (At Least Once)
	ackSignatureRequested	NOTE: this form of non-repudiation of Receipt may not be sufficient.
	duplicateElimination	Reliable Messaging parameter for No Duplicate Delivery (At Most Once)
	actor	

### 3.5.2 Profile Requirement Item: [name of CPA element / attribute]

<If needed, any more detailed profiling recommendation will be defined in such a table below, one for each CPA element that requires a detailed profiling.>

Specification Feature	
Specification Reference	CPPA V 2.0, section ...
Profiling	
Alignment	
Test References	
Notes	

## 3.6 Profiling the Document Exchanges

### 3.6.1 Profiling Table

**Document Exchange** - The Document-exchange layer specifies processing of the business documents by the Message-exchange function. Properties specified include encryption, digital signature, and reliable-messaging characteristics. The options selected for the Document-exchange layer are complementary to those selected for the transport layer. For example, if Message security is desired and the selected transport protocol does not provide *Message* encryption, then *Message* encryption must be specified in the Document-exchange layer.

Form: Document Exchange Info		
CPA Reference	[CPA Profile name]	
	[CPA Instance name, if used for instantiating a particular CPA profile]	
Doc Exchange ID	[tp:docExchangeId]	
Sender Binding	Reliable Messaging	[tp:ReliableMessaging] tp:Retries: [maps to "Retry Count" column 6 in above tables.] tp:RetryInterval: [Example: <tp:RetryInterval>PT2H</tp:RetryInterval>] tp:MessageOrderSemantics: [Example: "Guaranteed"]

	Persist Duration	[tp:PersistDuration]
	Non Repudiation of Origin	[tp:SenderNonRepudiation] tp:NonRepudiationProtocol tp:HashFunction tp:SignatureAlgorithm tp:SigningCertificateRef
	Digital Envelope	[tp:SenderDigitalEnvelope] tp:DigitalEnvelopeProtocol tp:EncryptionAlgorithm tp:EncryptionSecurityDetailsRef
	Nemespaces	[tp:NamespaceSupported]
Receiver Binding		
	Reliable Messaging	[tp:ReliableMessaging] tp:Retries tp:RetryInterval tp:MessageOrderSemantics
	Persist Duration	[tp:PersistDuration]
	Non Repudiation of Receipt	[tp:ReceiverNonRepudiation] tp:NonRepudiationProtocol tp:HashFunction tp:SignatureAlgorithm [see 3.6.3] tp:SigningSecurityDetailsRef
	Digital Envelope	[tp:ReceiverDigitalEnvelope] tp:DigitalEnvelopeProtocol tp:EncryptionAlgorithm [see 3.6.2] tp:EncryptionCertificateRef
	Nemespaces	[tp:NamespaceSupported]

### 3.6.2 Profile Requirement Item: tp:ReceiverDigitalEnvelope /tp:EncryptionAlgorithm

<This is an example of detailed profiling for this element. Here, the profiling consists of a restricted set of values for this item .>

Specification Feature	Tp:DocExchange/.../tp:ReceiverDigitalEnvelope/ tp:EncryptionAlgorithm
-----------------------	---

Specification Reference	CPPA V 2.0, section 8.4.56
Profiling	<p>The algorithm used MUST be one of the following:</p> <p><a href="http://www.w3.org/2001/04/xmlenc#tripleDES-cbc">http://www.w3.org/2001/04/xmlenc#tripleDES-cbc</a>  <a href="http://www.w3.org/2001/04/xmlenc#aes128-cbc">http://www.w3.org/2001/04/xmlenc#aes128-cbc</a>  <a href="http://www.w3.org/2001/04/xmlenc#aes192-cbc">http://www.w3.org/2001/04/xmlenc#aes192-cbc</a>  <a href="http://www.w3.org/2001/04/xmlenc#aes256-cbc">http://www.w3.org/2001/04/xmlenc#aes256-cbc</a></p>
Alignment	
Test References	
Notes	

### 3.6.3 Profile Requirement Item: **tp:ReceiverNonRepudiation** /tp:SignatureAlgorithm

<This is an example of detailed profiling for this element. Here, the profiling consists of a restricted set of values for this item .>

Specification Feature	Tp:DocExchange/.../tp:ReceiverNonRepudiation/ tp:SignatureAlgorithm
Specification Reference	CPPA V 2.0, section 8.4.54
Profiling	<p>The algorithm used MUST be one of the following:</p> <p><a href="http://www.w3.org/2000/09/xmldsig#dsa-sha1">http://www.w3.org/2000/09/xmldsig#dsa-sha1</a>  <a href="http://www.w3.org/2000/09/xmldsig#rsa-sha1">http://www.w3.org/2000/09/xmldsig#rsa-sha1</a></p> <p>(the referenced certificates must support RSA or DSA respectively.)</p>
Alignment	
Test References	

Notes	
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### 3.6.4 Profile Requirement Item: [name of CPA element / attribute]

<If needed, any more detailed profiling recommendation will be defined in such a table below, one for each CPA element that requires a detailed profiling.>

Specification Feature	
Specification Reference	CPPA V 2.0, section ...
Profiling	
Alignment	
Test References	
Notes	

## 3.7 Profiling the Transport Protocol

### 3.7.1 Profiling Table

The transport layer identifies the transport protocol to be used in sending messages through the network and defines the endpoint addresses, along with various other properties of the transport protocol. Choices of properties in the transport layer are complementary to those in the document-exchange layer (see "Document-Exchange Layer" directly above.)

Form: Transport Info		
CPA Reference	[CPA Profile name]	
	[CPA Instance name, if used for instantiating a particular CPA profile]	
Transport Sender	protocol	[tp: TransportProtocol]
	Client security	[tp:TransportSecurityProtocol]
		[tp:ClientCertificateRef]

Transport Receiver	protocol	[tp: TransportProtocol]
	End Point	[tp:Endpoint/@uri, tp:Endpoint/@type]
	Server security	[tp:TransportSecurityProtocol]
		[tp:ServerCertificateRef]
		[tp:ClientSecurityDetailsRef]

### 3.7.2 Profile Requirement Item: [name of CPA element / attribute]

<If needed, any more detailed profiling recommendation will be defined in such a table below, one for each CPA element that requires a detailed profiling.>

Specification Feature	
Specification Reference	CPPA V 2.0, section ...
Profiling	
Alignment	
Test References	
Notes	

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## 4 Operational Profile

<Section that defines the operational aspect of the profile: type of deployment that the above profile is supposed to be operated with, expected or required conditions of operations, usage context, etc.>

### 4.1 Management Authority for CPPs and CPAs

CPPA management authorities	Profile requirements
Who is (are) the authority(ies) in charge of managing CPPs? Who has the authority and responsibility for: Creation Storage Update Distribution/Notification	(e.g. each party could store and manage CPPs, or they could be stored and managed in a third-party repository, e.g. in an ebXML registry/repository with a standardized user authenticated interface to query and retrieve them.)
Who is the authority in charge of managing CPA templates? Who has the authority and responsibility for: Creation Storage Update Distribution/Notification	
Who is the authority in charge of managing CPA instances? Who has the authority and responsibility for: Creation Storage Update Distribution/Notification	
Others	

### 4.2 Deployment and Processing requirements for CPPs

CPP Management Process	Profile requirements
Is a specific registry or repository for storing CPPs required? What is its accessibility? If so, provide access details.	

Is there a set of predefined CPP profiles, that users should comply with?	
How are CPPs generated? (E.g. are they generated from templates? Are they reverse-engineered from a source CPA? From other sources?)	
What is the validation process for CPPs?	
Others	

### 4.3 Deployment and Processing requirements for CPAs

CPA Management Process	Profile requirements
<b>Storage:</b> Is a specific registry or repository for storing CPAs or CPA artifacts required? What is its accessibility? If so, provide access details.	
<b>CPA creation:</b> Is there a set of predefined CPA profiles that should be used to create given Parties' CPAs? How were they created? Should CPPs be used for this, and how?	(e.g. CPAs skeletons could be generated from ebBP definitions.)
<b>Security:</b> How will certificates be managed and distributed? (procedure)	
<b>Validation:</b> What is the validation process for CPAs that must conform to this template? validation expected at import / configuration time? validation expected at run-time?	
Others	

### 4.4 CPA Interpretation Options

Some CPA content may be interpreted differently by different partners. This may be due to some redundancy or overlap between CPA fields that actually support different scopes of application of QoS requirements. In case two scopes of application are conflicting, the precedence rules remain to be established. An agreement on which QoS scope prevails must be specified for the sake of interoperability.

Additional Agreement	Profile requirements
<p>The tp:SenderDigitalEnvelope / tp:EncryptionAlgorithm in the Document Exchange part of a CPA may conflict with the tp:Confidential element in the Business Transaction Characteristics part (Collaboration Roles, Service Binding) of the CPA.</p> <p>Which one will prevail to govern persistent encryption?</p>	
<p>The tp:SenderNonRepudiation element in the Document Exchange part of a CPA (Sender binding) may conflict with the tp:isNonRepudiationRequired element in the Business Transaction Characteristics part (Collaboration Roles, Service Binding) of the CPA.</p> <p>Which one will prevail to govern non-repudiation policy?</p>	
<p>The tp:ReceiverNonRepudiation element in the Document Exchange part of a CPA (Receiver binding) may conflict with the tp:isNonRepudiationReceiptRequired element in the Business Transaction Characteristics part (Collaboration Roles, Service Binding) of the CPA.</p> <p>Which one will prevail to govern non-repudiation policy?</p>	
<p>When used with ebXML ebBP specification, some process definitions created by the user community may override some values in this CPA. For which ones of these is it the case?</p>	
<p>Other?</p>	

## 4.5 Hub and Spoke Environment

CPA and Hub	Profile requirements
<p>In case of a Hub configuration, is there any specific handling of the delivery channels that may differ from one hop to the other? Any additional CPA or subset of it required by the Hub as a party?</p>	

List of hubs trusted certificate authorities? (so the spoke knows from where to get a signed certificate.)	
Others	

## 4.6 Additional Agreement Aspects beyond CPPA Specification

Additional Agreement	Profile requirements
Are there additional profiling aspects (e.g. business-related) out of specification scope, that this CPA profile is part of, and that should be associated with it?	

## 4.7 Additional Deployment or Operational Requirements

Operational or Deployment Conditions	Profile requirements
Operational or deployment aspects that are object to further requirements or recommendations.	Recommended or required practices.

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## 5 References

### 5.1 Normative

- [ebCPPA] OASIS, *ebXML Collaboration-Protocol Profile and Agreement Specification Version 2.0*, <http://www.oasis-open.org/committees/download.php/204/ebcpp-2.0.pdf>, September 23, 2002.
- [ebMS] OASIS, *ebXML Message Service Specification Version 2.0*, [http://www.oasis-open.org/committees/ebxml-msg/documents/ebMS\\_v2\\_0.pdf](http://www.oasis-open.org/committees/ebxml-msg/documents/ebMS_v2_0.pdf), April 1, 2002.
- [ebBP] ebXML, *ebXML Business Process Specification Schema Version 1.0.1*, <http://www.ebxml.org/specs/ebBPSS.pdf>, May 11, 2001.
- [RFC2119] S. Bradner, *Key words for use in RFCs to Indicate Requirement Levels*, <http://www.ietf.org/rfc/rfc2119.txt>, IETF RFC 2119, March 1997.

### 5.2 Non-Normative

- [ebDPT] OASIS, *Metadata for Deployment Profile Templates*, [http://www.oasis-open.org/committees/download.php/19253/ebxml-iic-Deployment\\_Profile\\_Template-CD.doc](http://www.oasis-open.org/committees/download.php/19253/ebxml-iic-Deployment_Profile_Template-CD.doc).

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## Appendix A. Acknowledgments

In addition to editors or direct contributors, the following individuals were members of the committee during the development of this specification or of a previous version of it:

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## Appendix B. Revision History

Rev	Date	By Whom	What
0.1	March, 2005	P. Wenzel J. Durand	Initial Draft.
0.6	September 26, 2005	Jacques Durand	Add some editorial corrections, and content corrections based on feedback.